

Performance class photography

June 2007

Volume 20 Number 05

Free

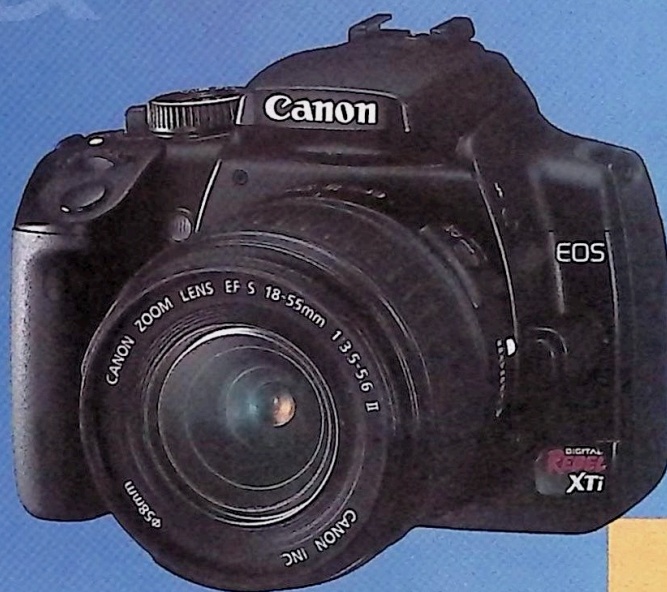


HUB

DIGITAL

LIVING

The digital darkroom, Adobe style
& Camcorder stills



beyond point & shoot

Digital TV
tuners

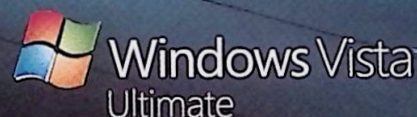
www.hubcanada.com

ASUS-LAMBORGHINI **VX2**

Unprecedented Power and Style



ASUS recommends Windows Vista™ Ultimate.



Sensational Counterpart

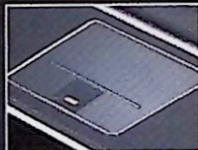
Touch the gleaming hood and feel momentum break free from under your hands. Flick on the light and behold the world as it turns to you. Swipe the key, get comfortable in the hand-fitted leather seats and as the engine roars to life - get ready to speed ahead. ASUS-Lamborghini VX2 offers more performance, more possibilities with the latest Windows® Vista™ operating system.

ASUS-Lamborghini Notebook Series preinstalled with Windows Vista™ Ultimate lets you enjoy your entire music collection throughout your home. Just select your favorite tunes or playlist from your PC, and get your groove on!

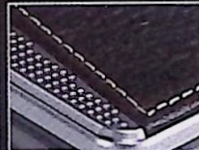
<http://ca.asus.com>



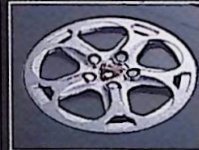
High-resolution swivel webcam



Privacy protected with fingerprint reader



Leather-bound palm rest with exquisite stitch detailing



Wheel-rimmed fan lid for cooling ventilation

- Intel® Centrino® Duo Mobile Technology with Intel® Core™2 Duo T7400 Processor, 2.16 GHz
- Genuine Windows Vista™ Ultimate
- 15.4" Widescreen Display (WSXGA+, 1680x1050)
- NVIDIA GeForce Go 7700 512 MB VRAM
- 2 GB DDR2 667 MHz RAM
- 160 GB SATA Hard Drive

- Super-multi DVD Writer with LightScribe
- 802.11n and Bluetooth® V2.0+EDR
- Matching leather carrying bag and mouse
- Detachable docking station (optional)
- 2 Year Global, 30 days Zero Bright Dot Warranty
- 8 cell Li-ion battery, up to 4 hours of battery life
- Only 6.17 lbs.

VX2-AK007G (yellow) VX2-AK008G (black)

MSRP: \$3,539



NCIX
1-888-NCIX-888
www.ncix.com

Milestone Computer
1-905-307-7738
www.MilestonePC.com

Canada Computers
1-416-733-4481
www.canadacomputers.com

MicroBytes
1-877-MICROBYTES
www.microbytes.com

PC Cyber
1-613-224-9995
www.pccyber.com

PC Village
1-905-889-5488
www.pcvonline.com

Anitec
1-888-264-8329
www.anitec.ca

Editorial



Who's on first?

When I see those "I'm a Mac, I'm a PC" ads, I have to smile. It's a textbook case of the resonance theory of communication in action. Rather than trying to persuade you with a line of arguments, resonance theory is about giving you information that res-

onates with what you already believe to be true.

PC has given Mac a lot of ammunition in this regard – bloatware, upgrades that don't go well, virus fears galore – so when the hapless PC character glumly enacts another one of these scenarios, we PC users don't have to be convinced because we've experienced the problem ourselves, or know someone else's horror story. From there, it's just a gentle push to get us to consider "hmm, maybe Mac is worth a look."

Is the campaign working? Something is. Apple recently released its Q2 2007 numbers, and they're good. Apple CFO Peter Oppenheimer states it's the most profitable March quarter in Apple's history. The company shipped just over 1.5 million Macs globally during the quarter, which represents a 36 percent increase over last year's quarter. That's a pretty healthy growth rate, considering that globally the personal computer industry has been growing at sub-10 percent in recent years.

Mac definitely has momentum right now, but enough to overtake Windows? I suppose stranger things have happened but here's some perspective. In 2006, total global personal computer shipments were just shy of 240 mil-

lion units, according to research firm Gartner. Apple's global market share is approximately 2.5 percent, although in the US and Canada, it perennially sits at closer to 5 percent. In other words, even giving Mac the best-case market share, some 95 percent of the personal computer world uses something else.

Canada's overall personal computer market growth rate has been quite healthy compared to the global rate. IDC Canada says the market has experienced double-digit growth for the past 14 quarters. Shipments of computers in 2006 rose 14.6 percent over 2005, according to IDC Canada. There's another difference in the Canadian market. It's been widely reported that Hewlett-Packard has taken Dell's crown as the world's Number-one PC maker for the past two quarters. In Canada, however, Dell has stayed at the top of the heap for the last six years, according to IDC Canada, putting its logo on 23.4 percent of the 5.5 million computers shipped in Canada in 2006.

Even with its 4-5 percent market share, Apple has remained one of the top six or seven computer brands. And it's not hard to see why. If you want a Mac or OSX, there's just one company you can go to. If you want a PC, you can go to a global player like HP or you can go to the guy in the strip mall down the street – and get close to the same machine, spec for spec. It's an amazing industry, one of the few where a single proprietor can still create a complex product of equal or better quality than what comes from a multinational. And those small guys, the so-called white boxers, still account for 30 percent of the PCs sold in Canada.

Enjoy the issue,

David Tanaka

Editor-in-Chief

Contents

June 2007

In selected regions and online:

Give yourself an assignment

DV or Not DV

Let there be Lightroom

Picture this

Nikon's mid-range D80

Canon's Digital Rebel XT

Camcorder stills

Fun with filters

Canon PIXMA printers

TV on PC

LightZone for Linux

Halo 2

...and more

HUB

DIGITAL

LIVING

Volume 20 : Number 06

Editorial

Editor-in-Chief

David Tanaka
david@ppublishing.ca

Managing Editor

Jennifer Kavur
jennifer@ppublishing.ca

Contributing Editors

Sean Carruthers
Mike Palermo
Lee Rickwood
Marc Saltzman
Chad Sapieha
Helen Bradley
Gene Wilburn

hubcanada.com Editor

Jim Ducharme
jim@ppublishing.ca

Advertising Sales

Sales Manager

Scott Piccolo
scott@ppublishing.ca

National Account Executive

Maria Favot
maria@ppublishing.ca

Ad Sales

ONTARIO/TORONTO

Karim Rizk
karim@ppublishing.ca

MONTREAL

Brian Hillcoat
brian@ppublishing.ca

WESTERN CANADA

Vivian Jin
vivian@ppublishing.ca

Business Group

President/Publisher

Scott Piccolo
scott@ppublishing.ca

Art Director

Steven Stoner
steves@ppublishing.ca

Production Manager

Christie Swail
christie@ppublishing.ca

Production Assistant

Liz Van Der Wee
liz@ppublishing.ca

Distribution Manager

Mark Backer
mark@ppublishing.ca

Office Administrator

Malenie Rajaram
malenie@ppublishing.ca

IT Manager

Steve Quinney
steveq@ppublishing.ca

Piccolo Publishing Inc (Head Office)

775-B The Queensway, Toronto, ON, M8Z 1N1
Tel: 416-348-9666 Toll-free: 866-757-0179
Fax: 416-348-9553

Canadian Publication Mail,

Sales Product Agreement #41037518. Printed in Canada.

ISSN 1210-0143 HUB: Digital Living (B.C. ed.)

ISSN 1210-0151 HUB: Digital Living (Calgary ed.)

ISSN 1210-016X HUB: Digital Living (Edmonton ed.)

ISSN 1210-0178 HUB: Digital Living (Eastern ed.)

ISSN 1210-0186 HUB: Digital Living (Montreal ed.)

ISSN 1210-0194 HUB: Digital Living (Prairie ed.)

ISSN 1210-0208 HUB: Digital Living (SW Ont. ed.)

ISSN 1210-0216 HUB: Digital Living (Toronto ed.)

HUB: Digital Living is published monthly by Piccolo Publishing Inc. All rights reserved. Reproduction in whole or in part without the permission of the publisher is strictly prohibited. Information presented here is compiled from sources believed to be accurate, however, the publisher assumes no responsibility for errors or omissions. The publisher reserves the right to refuse ads. The opinions expressed in the articles and columns and ads are those of the writer/advertiser and not necessarily those of HUB: Digital Living.

Canon

The Leader in digital imaging.
From input to output.

www.canon.ca

Canon
*image*ANYWARE

Give yourself an assignment

How do you get good at something? Practice. On the face of it, that seems like an obvious prescription until you ask the natural follow-up: practice what? A time-honoured practice technique that photographers use to maintain their edge is the self-assignment: tell yourself to shoot something specific, give yourself a deadline and then complete the assignment.

Self-assignments work best if they push you out of your comfort zone. If you always photograph outdoors, there's nothing like an indoor assignment to force you to explore your camera's ISO settings or use flash and other artificial lighting techniques. If you always shoot landscapes, assign yourself portraits and a whole new set of challenges and possibilities will open up.

Self assignments can help you re-train your photographic eye by forcing you to look differently at something, particularly something you've seen so often it's become invisible. This could be a building or monument or even a nondescript scene you've walked by dozens of times before. Take 25 different photos of that subject during a fixed period of time. This will challenge you take another look and push beyond the "nothing here worth photographing" mentality. You might try shots from far away, or macro shots of interesting details. You can explore the differences between the lit and shadowed sides, or choose different times of day to shoot the subject.

Sometimes you need to get over shutter shyness, so try a speed shoot – 50 exposures in five minutes. That's a frame every six seconds. When you have to shoot that fast, you don't have the luxury of analysing each shot. It can help you see and shoot on an entirely new level – almost by reflex.

Sometimes you can work it from the other end. Rather than 50 shots in five minutes, restrict yourself to just one frame for your entire session. Rather than suppressing your analysis as the speed shoot does, this assignment will train you to study the subject even more deeply, and help you pick out the single most significant aspect you want to photograph.

Another exercise on the theme of restricting yourself is using just one lens, which means just one focal length. If you have a zoom lens on your camera, limit yourself to using just one zoom setting. If you always seem to be shooting at telephoto, give yourself an assignment to shoot only wide angle for a day. Zoom lenses tend to make us lazy because it's easier to hit the zoom than physically move closer to or further from the subject. Perspective depends on subject to camera distance, however, so you'll get quite different compositions by moving you and your camera to a new vantage point. This is a particularly good assignment for us zoom-addicted shooters.

You can build a self assignment on virtually any theme: colour (photograph only red things for a day), shape or pattern (look for star shapes) or location (if you live in a city, look for the 10 or 20 most interesting shop windows). For other ideas, type "photography self assignment" into a search engine and you'll find lots of different approaches.

Once you've finished your shoot, it's important to go through the images and analyse them. You can revel in the great shots, but often you'll see a frame and think, "that's not what I was expecting." Figuring out why something didn't work is as important as celebrating what did. By David Tanaka

hubcanada.com

wants to know:
can you rock
with the best of them?

hubcanada.com and Red Octane are giving you the chance to put your guitar pick where your mouth is!

You could **win** the hottest Xbox 360 game on the planet:

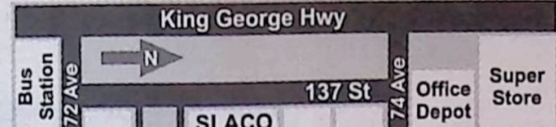
Guitar Hero II
by Red Octane!

Get your best air guitar strapped on and video it. Upload it to YouTube.com. Fill out the contest entry form on **hubcanada.com** and make sure you include the link to where you posted it on YouTube. Visit us online for more details!



SLACO

COMPUTER



Celeron 2.8G/3.46G \$449/469 Pentium4 3.2G/3.4G \$499/519 P4 Dual-core 3.2/3.4G \$529/619 Core 2 DUO E2140/E4300 \$529/559 Asus P5VD2-MX-SE Motherboard (S-775, P4M890, 1066MHz FSB, S-ATA, RAID) 512MB DDR2 RAM 80GB S-ATA 8M Cache Hard drive All-in-1 Memory Card Reader VIA GFX Video O/B Open PCI-Ex16 Video card Slot LG GSA-H54N 18xDVD±RW D.L. 5.1 Channel 3D Sound Card O/B BenQ P010 PS/2 Keyboard Logitech Optical Wheel mouse 17" P4-ATX USB2.0-Front Case 10/100Mb Ethernet O/B Speakers w/Headphone Jack 17" LG L1752TX LCD 1400:1 DVI SOLERIA-2270	Celeron 2.8G/3.46G \$509/529 Pentium4 3.2G/3.4G \$559/579 P4 Dual-core 3.2/3.4G \$589/679 Core 2 DUO E2140/E4300 \$589/619 Asus P5L-MX Motherboard (i945G, S-ATA, RAID, Dual-channel DDR2) 1.0G PC5400 DDR2 RAM 160GB S-ATA2 8M cache hard drive All-in-1 Memory Card Reader Intel GMA 950 PCI-E video O/B Open PCI-E X16 video card Slot LG GSA-H50N 18xDVD±RW D.L. 6-Channel 5.1 Sound Card O/B BenQ P010 PS/2 Keyboard Logitech Optical Wheel mouse 17" P4-ATX USB2.0-Front Case 10/100Mb Ethernet O/B Speakers w/Headphone Jack 17" LG L1752TX LCD 1400:1 DVI SOLERIA-4270	Pentium-4 3.2/3.4G \$699/719 P4 Dual-core 3.2/3.4G \$729/819 Core 2 Duo E4300/6320 \$759/819 Core 2 Duo E6420/6600 \$839/879 ECS 945P-A Motherboard. (i945P, SATA, Dual-Channel DDR2) 1.0G PC5400 DDR2 RAM 250GB S-ATA2 Hard Drive All-in-1 Memory Card Reader nVidia GF7300GT PCI-E 256M/DVI LG GSA-H50N 18xDVD±RW D.L. 6-Channel 5.1 Sound Card O/B BenQ P010 PS/2 Keyboard Logitech Optical Wheel mouse 17" P4-ATX USB2.0-Front Case 10/100Mb Ethernet Card O/B OG-1015 Speakers w/Subwoofe 19" LG L194WTX Wide Screen LCD (5ms, 2000:1, Dual Analog/Digital) SOLERIA-6270	P4 Dual-core 3.2/3.4G \$899/989 Core 2 Duo E6320/6420 \$979/1009 Core 2 Duo E6600/6700 \$1049/1149 Core 2 Quad Q6600(4x2.4G) \$1439 Asus P5LD2 Motherboard (Intel i945, SATA, RAID, Dual-channel) OCZ 2G PC5400 DDR2 dual-channel 320GB 16MB S-ATA2 Hard Drive All-in-1 Memory Card Reader nVidia GF8600GT PCI-E 256m/DVI LG GSA-H50N 18xDVD±RW D.L. 8-Channel 7.1 Sound Card O/B Logitech Deluxe 250 desktop combo (Keyboard + Optical Wheel Mouse) 17" P4-ATX USB2.0-Front Case 10/100/1000Mb Ethernet O/B Altec Lansing VS3251 5.1 spk wireless 19" LG L194WTX Wide Screen LCD (5ms, 2000:1, Dual Analog/Digital) SOLERIA-8270
--	---	--	--

Asus W7J-3P11C Core 2 DUO-1.66G/1.0G/120G/13.3"/DVDRW/802.11g/nVidia 7400TC/Vista Prem...\$1469 Asus G1-AK024C Core2DUO T7200-2G/2.0G/160G/15.4"/DVDRW/GF7700 512M/802.11g/Vista Prem...1889 Asus U1F-1P016E Core DUO ULV2400-1G 1.5G/80G/11.1"/802.11g/56K/LAN/Bluetooth/Vista buss...2289 Acer TM4200-4597 Core DUO-1.73G 1G/120G/15.4"/DVDRW/56K/LAN/802.11g/5-in-1 Reader/XP Pro...989 Acer AS9300-4272 AMD Turion 2.2G/512M/120G/17"/56K/LAN/802.11g/DVD-RW/Camera/Vista home...829 Acer AS5630-6760 Core 2 Duo-1.73G, 160G, 2G, 15.4", DVD-RW, 56K, LAN, 802.11g, GF7300, V.Premium...1249 Acer AS 5610-4693 Core DUO 1.6G, 512M, 15.4", 120G, DVDRW, 56K, LAN, 802.11g, 5-in-1, Vista Premium...789 LG F1-2K25A9 Core 2 Duo-1.6G/1G/100G/15.4"/DVD-CDRW/56K/Giga LAN/802.11abg/V. Premium...1149 LG P1-BP01A9 Core Duo 1.6G/120G/1.0G/15.4"/DVD-RW/56K/Giga LAN/802.11abg/Fingerprint/V.Pre...1299 Acer AS 5610-4693 Core DUO 1.6G, 512M, 15.4", 120G, DVDRW, 56K, LAN, 802.11g, 5-in-1, Vista Premium...789 PC2700/3200 DDR 512M/1.0G...\$49.9/104.9 PC4200 DDR2 200pin 512M/1.0G...34.9/54.9 144Pin SDRAM 128/256/512M...36/49.9/99.9 NovaTch wireless LAN 54Mb USB/PCMCIA...29.9 2.5" Hard Drive 40/80/120G...59.9/69.9/89.9 2.5" S-ATA Hard Drive 80/120/160G...79.9/109.9/148.9	NOTEBOOK/DESKNOTE MS SPECIAL (w/ SYSTEM ONLY)
--	--

Windows XP Home/Pro/MCE...\$105/149/139 Windows Vista Home basic/Premium...104.9/138.9 Windows Vista Business/Ultimate...154.9/224.9 MS Office 2007 Home & Student Edition...139.9 MS Office 2007 Basic/SBE/Pro...194.9/249/329.9 MS Office 2003 Professional...298.9 Windows SBS 2003 Server w/5CAL...489 Win2003 Server Standard w/5CAL...759 MS Optical Mouse/Wireless...13.99/18.99 MS Keyboard Internet/Multimedia...18/22 MS Ergonomic Value Pack Keyboard+Mouse...59 MS Internet Keyboard+Optical Mouse...29 MS Wireless Comfort KB+Laser Mouse...49.9	CASE/OTHER
--	-------------------

18" Case USB2.0 front 350w/450w Dual Fan...\$29/48 Sony 1.44M Floppy Drive...14 Power supply AT/ATX/450w...29/27/39 Dual Fan Power supply 450W...44 Antec SP-450 Ultra quit 450W Power supply...89 Antec SP-500 Ultra quit 500W Power supply...99 Antec True 350W Quit Power Supply...59 Seasonic S12 600W quiet Power Supply...159 Tisonic ATX-460-102DF 460W Quiet Power Supply...69 Enemmax Liberty ELT620AWT 620W Power Supply...179 Enemmax Noisetake EG495P-VE SFMA 485W...99 OCZ OCZ 700GXSSLI 700W Silent Power Supply...159 Thermaltake W0117 Toughpower 750W P. Supply...219 Thermaltake TR2-430W Power supply...59 Belkin UPS w/software 425/550/650VA...59/75/89	CD/DVD-ROM/R/RW
---	------------------------

ADAPTER/CABLE USB 2.0 PCI Adapter 5 Ports...\$19.9 Enhanced PCI Printer Port Adapter 1/2 Port...25/29 IEEE 1394 (Firewire) PCI Adaptor 4 ports...24.9 IEEE 1394 (Firewire) PCI Adaptor w/Cable...32.9 PCI Serial Adaptor 2 port w/16C550 UART...24.9 Removable Hard Drive Rack IDE/S-ATA...14.9/19.9 2.5" Notebook HD to 3.5" HD IDE Adapter...11.9 USB Radio Recording support MP3 & WMA...14.9 USB Fan & Light 2-in-1...4.99 USB 2.0 Gold-Plated Printer Cable retail box...9.99 USB 2.0 Cable Printer/Extension...7/7 USB to Parallel Printer Port Cable Adapter...19 Monitor Extension Cable Shield 6'/10'/15'...12/15/19 DVI Cable For Digital Monitor 6'/10'/15'...15/22/29 9 Pin Serial Cable F/F Straight/Cross...13/13 USB 2.0 To IDE (3.5" & 2.5") Adaptor...25 USB 2.0 To S-ATA/IDE (3.5" & 2.5") Adaptor...35 S-Video Cable 6ft...6.9 40/80 Pin IDE Data Cable...3/5 80 Pin Round IDE Data Cable...7 Parallel Port Printer Cable...7 Serial ATA (SATA) Power Cable...3 KVM 3-in-1 6" Cable...9.9 KVM Switch manual 2 Port/4 Port w/o cable...19/22 Digital KVM Switch HotKey w/cable 2/4port...39/79 EUSO UKS8204-DO 4 port USB KVM Switch...129 EUSO UKS8104-R0 4 port KVM Stackable...139 USB Printer connect to Paranal port adapter...29 ST Lab S-ATA PCI Adapter w/RAID support...29	KEYBOARD/MOUSE
--	-----------------------

Asus 52X Quiet CD-ROM...\$14.9 Sony 16X DVD-ROM...23.9 Sony CRX230ED 52x32x52 CD-RW w/software...24.9 Dbtech Portable(Slim) External 8xDVD-RW...119 LG GSA-H54N dual layer 18xDVD±RW w/software...33.9 LG H50L 18xDVD±RW DL. Lightscribe w/software...39.9 LG GSA-H62N SATA 18xDVD±RW DL. w/software...39.9 Pioneer DVR-112D dual layer 18xDVD±RW software...38.9 Pioneer DVR-212D SATA 18xDVD±RW D.L.software...43.9 Plextor PX-800 18xDVD±RW w/software...94.9 Samsung S182M LiteScribe 18xDVD±RW w/software...36.9 Sony AW-Q170A Dual layer 18xDVD±RW software...38.9 Blank CD Writable/ReWritable...0.29/1.9 Ritek Ridata 80Min 700MB 50 Pack Retail box...13.99 Precision 4xDVD-R 4.7G 25Pack Retail Box...6.99 Ritek Ridata DVD-R 8X/Printable...0.39/50 Ritek Ridata Dual Layer 8.5G...3.99 Ritek Ridata 6X DVD-RW...2.49	DIGITAL CAMERA
---	-----------------------

UPGRADE SPECIAL \$109
Free Installation
Foxconn K8M890M2MA MB + Sempron64 3000+ CPU
10/100Mb LAN/S-ATA/6-Channel 3D Audio
(Open PCIE Video card slot)

Keyboard BenQ P010/Tsunami Multimedia...\$6/9.99 PS/2 Chinese Keyboard...9 Fujitsu Keyboard 8729/4726...18/58 HP 5302H USB Multimedia Keyboard w/2 USB port...16 Logitech Multimedia Keyboard/Black...15/17 Logitech Premium desktop(keyboard+wireless mouse)...35 Logitech Deluxe 250 Desktop Combo(KB + Mouse)...18.9 Logitech Optical Wheel Mouse...9.99 Logitech G5 Laser Gaming Mouse...44.9 Logitech G7 Laser Gaming Mouse...79.9 Logitech Cordless G15 Gaming Keyboard...89.9 Logitech Cordless MX 5000 Bluetooth KB & Mouse...129 Logitech Cordless Internet Pro desktop Mouse+K.B...48.9	Canon A460/560/630/640/710is...\$179/239/309/399/359 Canon S3IS/SD-40/750/900/G7...419/369/349/459/639 Casio EX-S770/Z75/Z1050/N7...309/229/309/349 Olympus E500/E500K2/E510K...549/739/929 Sony DSCW35/DSCW55/DSC20...239/269/369 Sony DSC2/DSC2100/DSCN2...419/459/369 Compact Flash 512M/1G/2G/4G...19.9/28.9/36.9/59.9 Compact Flash 80x120x 512M/1G/2G...22.9/26.9/34.9 Compact Flash 120x 2.0G/4.0G/8.0G...35.9/62.9/109.9 Memory stick Pro Duo 1.0G/2.0G/4.0G...38.9/54.9/94.9 Micro-Secure Digital 1.0G/2.0G...19.9/38.9 Kingston 2.0G SD card & Card reader Combo kit...32.99 (works w/SD, MMC, MMCplus, miniSD, RS-MMC, MMCmobile) kingston SD, MMC, MiniSD MicroSD Card Reader...9.99 (works w/SD, MMC, MMCplus, miniSD, RS-MMC, MMCmobile) Secure digital 512/1.0G/2.0/4.0G...16.9/19.9/26.9/56.9 Secure digital 80x 512/1.0G...18.9/22.9 Secure digital 150x 2.0/4.0G...32.9/54.9 Secure digital Mini 1.0G/2.0G...24.9/35.9 XD-Picture Card 1.0G/2.0G...39.9/59.9
--	---

Phone: 604-599-8785
Fax: 604-599-8758
Tech: 604-599-8745

#1116-7318 137th St.
Surrey, BC, Canada
V3W 1A3

www.slacocomputer.com

Mon-Fri. 10am-6:30pm;
Saturday 10am-6:00pm;
Sunday&Holidays Closed.

Systems come with 3 years labor, 1 year part warranty; option of 1 month free internet access.
All new systems are tested & burned-in for 48 hours before shipping. Financing and leasing are available.
Prices reflect a 3% cash discount and are subject to change without notice. Price effective Jun.05 - Jun.30

Business Hours: Saturday 10am-6:00pm;
Sunday&Holidays Closed.

Sempron64	3000/3600+	\$439/469
AM2 Athlon64	3500/3800+	\$489/509
Athlon64x2	3800/4200+	\$519/549
Athlon64x2	4600/5200+	\$569/619

Asus M2V-MX MB
(2000MT/s S-ATA, RAID, PCI-E X16,) 512MB DDR2 RAM
80GB S-ATA2 8M Cache Hard drive
All-in-1 Memory Card Reader
VIA Deltacome9 Video Card O/B
Open PCI-E x16 Video Card Slot
LG GSA-H50N 18xDVD±RW D.L.
6 Channel 5.1 Sound Card O/B
BenQ P010 PS/2 Keyboard
Logitech Optical Wheel mouse
17" P4-ATX USB2.0-Front Case
10/100Mb Ethernet O/B
Speakers w/Headphone Jack
17" LG L1752TX LCD 1400:1 DVI

SOLERIA-1270

Sempron64	3000/3600+	\$499/529
AM2 Athlon64	3500/3800+	\$549/569
Athlon64x2	3800/4200+	\$579/609
Athlon64x2	4600/5200+	\$629/679

Asus M2NBP-VM CSM Mainboard
(nVidia Quadro, S-ATA, Dual-channel) 1.0G PC5400 DDR2 RAM
160GB S-ATA2 8M cache hard drive
All-in-1 Memory Card Reader
GF6150 video w/RGB/ DVI O/B
Open PCI-E x16 Video Card Slot
LG GSA-H50N 18xDVD±RW D.L.
6-Channel 5.1 Sound Card O/B
BenQ P010 PS/2 Keyboard
Logitech Optical Wheel mouse
17" P4-ATX USB2.0-Front Case
10/100/1000Mb Ethernet O/B
Speakers w/Headphone Jack
17" LG L1752TX LCD 1400:1 DVI

SOLERIA-3270

AMD Athlon64	3500/3800	\$679/699
Athlon64x2	3800/4200+	\$709/739
Athlon64x2	4600/5200+	\$759/819
Athlon64x2	5600/6000+	\$839/899

MSI K9N Neo-F Am2 Mainboard
(nForce550, Dual-channel DDR2, RAID) 1.0G PC5400 DDR2 RAM
250GB S-ATA2 Hard Drive
All-in-1 Memory Card Reader
nVidia GF7300GT PCI-E 256M/DVI
LG GSA-H50N 18xDVD±RW D.L.
8-Channel 7.1 Sound Card O/B
BenQ P010 PS/2 Keyboard
Logitech Optical Wheel mouse
17" P4-ATX USB2.0-Front Case
10/100/1000Mb Ethernet O/B
OG-1015 Speakers w/ Subwoofer
19" LG L194WTX Wide Screen LCD
(5ms, 2000:1, Dual Analog/Digital)

SOLERIA-5270

AMD Athlon64	3500/3800	\$859/879
Athlon64x2	3800/4200+	\$889/919
Athlon64x2	4600/5200+	\$939/989
Athlon64x2	5600/6000+	\$1019/1079

Asus M2N4-SLI AM2 Mainboard
(nForce4 SLI, Dual-channel, RAID, SATA) OCZ 2G PC5400 DDR2 dual-channel
320GB 16MB S-ATA2 Hard Drive
All-in-1 Memory Card Reader
nVidia GF8600GT PCI-E 256M/DVI
LG GSA-H50N 18xDVD±RW D.L.
6-Channel 5.1 Sound Card O/B
Logitech Deluxe 250 desktop combo
(Keyboard + Optical Wheel Mouse)
17" P4-ATX USB2.0-Front Case
10/100/1000Mb Ethernet O/B
Altec Lansing VS3251 5.1 spk wireless
19" LG L194WTX Wide Screen LCD
(5ms, 2000:1, Dual Analog/Digital)

SOLERIA-7270

MOTHERBOARD

ASUS P5SD2-X/P5PE-VM/P5VD2-MX-SE	79/79/75
ASUS P5B-VM/P5B/P5B-E	144/138/168
ASUS P5B-Plus/P5B-Deluxe-WF-AP	164.9/239.9
SSUS P5K-DX-WF/P5K3-DX-WF	262.9/296.9
ASUS P5L-M/P5LD2/P5LD2-Deluxe/WF	104/115/235
ASUS P5N-SLI/P5N32-SLI-Premium	129/258
ASUS P5N32-E-SLI/P5W64-WS-Pro	259/299.9
ASUS P5W-DH-Deluxe/P5WDG2-Pro	249/359
ASUS Striker NF680i SLI	369
ASUS (S754) K8U-X/K8V-MX/B(w/1394)	69/79
ASUS M2A-M/P2A-VM/M2A-VM-HDMI	114/89/99.9
ASUS (AM2) M2N-E/M2N-SLI-DELUXE	114/164
ASUS (AM2) M2N/M2R32-MVM2N-X	99.9/158/84.9
ASUS (AM2) M2NPV-VM/M2N32-WS-Pro	108/269
ASUS M2N32-SLI-Deluxe-WF/M2n4-SLI	209/109
ASUS AM2 M2NBP-VM/CSM (corporate edition)	99.9
Asus M2V-MX/VM2V	74.9/98.9
ASUS S939 A8N5X/A8N32-SLI-Deluxe	99/179
ECS 945GT-M/945P-A(3.0)	78/99.9
Foxconn 760GX8MC-RS/K8M890-M2MA	69/79
Foxconn 865GM/F/945P7AA-8KS2	69/99.9
PC Partner 915PAS7-A47 i915 chipset Firewall	89
Gigabyte GA965P-DS3	154
Gigabyte GA-965P-S3	125
Gigabyte GAM57SLI-S4/GAM595SLI-S5	145/209
MSI 975X Platinum V2/945P Neo3-F	219/109
MSI P965 Platinum	179
MSI K9N Neo-F/K9A-Platinum	99/169
MSI K9N-Diamond/K9N-SLI-Platinum	215/158

MONITOR

Acer LCD 17" AL1706AB/AL1717BMD	\$184/199
Acer 19" LCD AL1916AB/1916WAB	215/191
Acer 20" AL2017BMD/AL2016W	236/245
Acer 22" AL2216WBD/24" AL2416WD	284.9/609
Acer 26" AL2616WD/37" AT3720A	819/1249
Acer LCD TV 42" AT4220A 1366x768 8ms DVI.1429	
Daytek LCD 19" F19D LCD VGA/DVI 12ms speaker.229	
Daytek LCD Touch Screen 15"/17"	599/769
Daytek DT-2620/DT4040	629/1269
Daytek DM-42A/DT-4660	1579/2059
LG 17" L1752TX 1400:1 8ms Analog/DVI	168.9
LG L1732TX Analog/Digital 4ms 1400:1	218
LG 17" L1753TX 2000:1 300cd/m2 5ms	209
LG 1918S 4ms 700:1/L1900 4ms 2000:1	229/299
LG 1953T Dual Analog/Digital 5ms 2000:1	248.9
LG L194WT W.screen 5ms 2000:1 VGA/DVI	208.9
LG L204WTX 20" 1680x1050 5ms 2000:1	278.9
LG 226WTX 22" 5ms 3000:1	364
Samsung 17" 701N LCD 600:1 8ms	185
Samsung 19" 920N 8ms 700:1	239
Samsung LCD 931C	295
Samsung LCD 940BW Analog/DVI 6ms 700:1	239
Samsung LCD 20" 205BW w/HAS 6ms 700:1	279
Samsung LCD 22" 225BW 5ms 700:1	349
ViewSonic 17" VA703B/19" VA903B	189/245
ViewSonic 19" VA1903WB/VA1912WB	239/229
ViewSonic LCD 19" VP930/VG1930WM	359/249
ViewSonic LCD 19" VX1945WM/VX922	279/9275
ViewSonic LCD VG2030WM/VP2130B	279/695
ViewSonic LCD 22" VX2235WM	375
ViewSonic 22" VX2245WM	398
Elecom Japanese LCD Cleaning pad 50 pack	9.99

MODEM

Aopen V.92 56K PCI Data/Fax Win Modem	\$19
USR 56k V.90 PCI Data/Fax/Voice Hardware Modem	49

NETWORKING

CNet 10/100Mb Switch 5/8/16 Port	\$22/32/69
Impression 10/100Mb Ethernet Card	9
Belkin Wireless G 54Mb Router	38.9
Belkin Wireless G 54Mb PCI Ethernet Adapter	29.9
NovaTech Wireless-G 54Mb USB/PCMCIA	29.9/29.9
Novatech wireless-G 54 Mb PCI Ethernet Card	24.9
D-Link 4 port Router DI-604/DI-704UP	39.9/59.9
D-Link Wireless DI-524 Router 802.11G 54Mb	58.9
D-Link Wireless DI-624 Router 108Mb	69.9
D-Link DWL-G630 54Mb PCMCIA LAN Wireless	53
D-Link wireless LAN PCI DWL-G510 54Mb	53
D-Link wireless LAN PCI DWL-G520 108Mb	61
D-Link wireless LAN PCMCIA DWL-G650 108Mb	59
D-link 24 Port DES-1024DG	159
D-Link DSS-16+ 16 Port Switch	78
D-Link DI-655 Wireless-N Router	139.9
Linksys WRT54G 54Mb wireless G router	69
Linksys WRT54GS Speed Boost wireless router	92
Linksys wireless PCI card WMP54G/WMP54GR	65/84
Linksys WMP54GS Speed Boost wireless PCI card	74
Linksys WUSB54G wireless USB card	68
Linksys WPC54G wireless PCMCIA card	65
Netgear WNR834B Wireless-N Router	129.9
Cable Assembly 3/6/10	4/5/6
Cable Assembly 25/50/75/100ft	9/14/19/24
CAT5e Cable 50/75/100/1000ft	9/12/15/75

PRINTER/SCANNER

Brother 240C/440CN/3360/665CV	129/189/129/259
Canon IP1300/3300/4300/5300	58.9/99/154/199
Canon IF6700D/Pro9000/II90	249/659/289
Large format IPF5000/W6400/IPF8000	2099/3689/5859
Large Format IPF500/IPF600/IPF700	1519/2319/4029
Canon MP-180/460/510/600/830	135/154/199/269/389
Canon MFC MF-3240/4150/6530/6550	249/299/669/769
Canon Scanner 4400F/8600F/LIDE25	155/249/89
Epson C88/1400S/R1800	99/449/629
Epson CD printer R260/380/800/2400	119.9/149/455/899
Epson 3-in-1 CX3810/4800/5000/7000F	68.9/99/105/149
Brother Laser HL-2030/2040	89/159
Brother HL 2070N/2700CN/5250DN	169/749/309
OkiData Color Laser C3200N/C5500N	289.9/629
OkiData DOT Matrix 186/186S/320TD	309/339/489
HP LaserJet 1018 laser Printer 1200dpi	89.9
Samsung Laser 2010/3051DN/3561N	109/289/619
Brother Toner TN 250/350/460/560	19.9/54/54/59
Canon Toner w/Drum E40/A30/S35/FX-3	69/69/54/54
HP Toner w/Drum C7115A/C7115X/Q2612A	49/54/59
HP Toner w/Drum C92298A/C3903A/C4092A	49/49/49
Panasonic Toner FA76/JG3313/JG3350	19.9/75/75
Samsung Toner w/Drum ML1610D2/1210/1710D3	59
Samsung Toner Drum SF4500/SF5100/SCX4216D3	59
SamsungG Toner Drum SCX-4521D3	69

SOFTWARE

McAfee Virusscan 2007 Plus	\$15.9
(McAfee Antivirus2007+ Software Firewall + Antispyware)	
McAfee Internet Security Suite 2007	19.9
Norton Antivirus 2007	24.9
Norton Internet Security 2007	34.9
(Norton Antivirus + Software Firewall + Anti-Spam+Anti-Popup)	
Norton Ghost 10.0	58.9

SOUND/SPEAKER

Encore 4-Channel PCI Sound Card	\$14
Creative SB Audigy SE 7.1	35
Creative SB X-Fi Xtreme Sound	59
Creative SB X-Fi Extreme Gamer/Fatality Pro	112/169
Creative SB X-Fi Fatality box	209
Creative SB X-Fi Elite Pro2 24bit 7.1 Retail box	309
OG-1015 w/subwoofer/Speaker	13/6
Altec Lansing VS3251 5.1 Spk. w/Wireless remote	55
Altec Lansing FX4001/FX5051/FX6021	129/219/215
Edifier 5.1 Spk M1500/R251	39
Logitech X530/X620 6.1	75/89

STORAGE/CONTROLLER

IDE (PATA) 7200RPM Hard Drive with 8MB buffer cache:	
80/160/250/320/400G	51.9/62.9/74.9/89.9/124.9
IDE(PATA) 7200rpm Hard Drive with 16MB buffer cache:	
250/320/400/500G	79.9/89.9/129.9/152.9
SATA 8M 80/160/250G	52.9/62.9/74.9
SATA 16M 250/320/400/500G	81.9/93.9/124.9/138.9
WD Raptor 10000rpm 36/74/150G	138.9/178.9/268.9
SCSI Hard Drive	call

VIDEO

Asus EN-7950GT 512M/8800GTS 640M	308/468
Asus EN78800GTX 768M HDCP/TV-out/DVI	658
ATI Radeon 9550 w/TV-out/DVI/256M	68.9
ATI 9600XT AGPx8 DVI,TV-out 256M	84.9
ATI X800GT AGPx8 256M/TV-out/DVI	108.9
ATI X1300 TV-out DVI PCI-E 256/512M	84.9/115
ATI X1600Pro AGP TV-out DVI 256/512M	135.9/146.9
ATI X1650Pro PCI-E TV-out DVI 256/512M	119/128.9
ATI X1950XTX PCI-E 512M DDR4,TV-out,DVI	349
ATI X1950Pro PCI-E DDR3,DVI 256M/512M	194/229
ATI X1950Pro AGPx8 512M DDR3,TV-out,DVI	274
ATI X1950XT PCI-E 512M,VIVO,DVI	319
eVGA AGP 6200 AGPx8 128M TV-out	39.9
eVGA AGP 6200 AGPx8 256M TV-out DVI	68.9
eVGA 7100GS 128M PCI-E DVI TV-out	58.9
eVGA PCI-E 256M 7300GT/7600GS	94.9/104.9
eVGA PCI-E 7600GT 256M DDR3/TV-out/DVI	134.9
eVGA PCI-E GF7950GT 512M KO	274
eVGA 8600GT 256M DDR3 DVI TV-out	185
eVGA 8600GTS 256M DDR3 DVI TV-out	254
eVGA PCI-E 8800GTS 640M/8800GTX 768M	438/648
eVGA 8800GTS 320M DDR3 DVI TV-out	338
Forsa PCI-E GF7600GT TV-out DVI 256M DDR3	139.9
Forsa PCI-E 256M TV DVI 7300GS/7600GS	74.9/119
Gigabyte 8800GTS/8800GTX	489/689
Leadtek GF7600GT PCI-E 256M DDR3 TV-out/DVI	159
Leadtek GF7950GT PCI-E 512M w/TV-out/DVI	289
Leadtek 8800GTS 640M/8800GTX 768M	489/699
MSI NX8800GTS 640M/NX8800GTX 768M	489/679
Zotac PCI-E TV-out DVI GF6200 128M	52.9
Zotac PCI-E TV-out DVI 256M GF7300GT	89.9
Zotac PCI-E 256M GF7600GT/7950GT	149/269
Zotac PCI-E TV-out DVI 512M GF7950GT	279
adaptec GameBridge TV Tuner w/Remote Controller	29.9
TV Tuner w/Remote	39
Avermedia TV-PVR150+ TV tuner	99
Leadtek TV Tuner TV2000XP Expert w/remote	79
External USB TV-Tuner	39
Diret TV Box watch TV without computer	68
Hauppauge WinTV-GO-Plus/PVR-150 MCE	79/99
Hauppauge WinTV-USB2/HVR950(1176)	109/129

DV Or Not DV

Editing the New HD Format

Some of us industry veterans survived the great VHS-Betamax war. Newer recruits are still knee deep in the big muddled waters of Blu-ray vs. HD-DVD.

The skirmish today – tomorrow's war? – is HD, and the many different ways savvy consumers and pro videographers will shoot, edit and distribute high definition video content.

There's full-up true high definition, of course – widescreen, full motion, 1080p HD. It's what the top broadcasters and international filmmakers are using. There's HDV, a highly compressed video format adopted by major manufacturers to get high def video onto the familiar DV cassette (6mm videotape).

The AVCHD format (Advanced Video Codec High Definition) is the newest high definition recording format, first introduced by Sony and Panasonic.

It records HD at 1080i or 720p video to a DVD, a hard drive or a flash memory card (the manufacturer chooses which media type it wants to use for each different model).

The video is highly compressed using the MPEG-4 AVC/H.264 standard, one that can also be used for – coincidence of coincidences – Blu-ray and HD-DVD (and cell phones), without losing too much quality.

A number of video software companies say they'll support the AVCHD format, including Adobe, Sonic, Pinnacle and Ulead.

Ulead announced and apparently shipped its solution April 30; Sony promised an AVCHD upgrade for May 1, Pinnacle committed to May 7 (all dates were at or before the deadline for this column). In any case, inexpensive software tools for editing these formats are in the ballpark.

Ulead VS11 Plus

Ulead (now owned by Corel in Ottawa) and its VideoStudio editing software has come a long way over 11 versions – VS11 Plus is the latest, and it is full of new features and improvements. In many ways, it is three products in one.

VideoStudio includes a fully-featured video editor, self-referentially called the industry's first AVCHD editing solution, as well as a simple DV-to-DVD



Wizard and moderately capable Movie Wizard for building basic videos and DVDs.

Ulead VideoStudio 11 has the "Works with Windows Vista" certification, and in that respect you'll want a fairly robust PC on which to work. Processors running at 3.0 GHz, such as Pentium 4 or Core 2 Duo, two or more gigs of RAM and a 16x, 256 MB or greater display card

is recommended to enjoy full high def capabilities.

But even with more moderately featured PCs, it offers a quick and easy way to import footage from a DV camera, and put it almost immediately onto a DVD for personal distribution and viewing.

With the new, advanced templates in the Movie Wizard, you can create more elaborate Hollywood-style openings, and output finished creations to tape, disk or a format compatible with Microsoft Zune, Apple iPod, Sony PSP as well as mobile phones and Web-based video sharing sites like YouTube.

There are incredibly adjustable Overlay tools, for special video effects, PiP (Picture-in-picture) and masking video with transparencies, keys and titles. With the Plus version's new Expanded Timeline, you will be able to see all the video (and audio, for that matter) layers easily, without scrolling.

There are literally hundreds of special effects built-in, along with filters, colour correction tools, clean-up filters to correct or compensate for less-than-idyllic video material, and more.

HD and surround sound tools are available, and with its unique compression and Pure HD codec, you can burn an HD program of about 30 minutes onto a regular DVD!

Canadian pricing is \$118.99 for Ulead VS11 Plus.

Pinnacle Studio Ultimate 11

Pinnacle's Studio Ultimate version 11 also offers high def editing (HDV and AVCHD), Vista compatibility, and output to a whack of digital devices, from DVD to tape to the Web. Pinnacle has bundled some interesting third-party tools in the program, such as the audio clean-up program called SoundSoap, and the pan-and-zoom tool for still images and scanned photos called MovingPicture.

Pinnacle, too, wants a powerful platform on which to work with high def: 2.4 GHz or higher processing, two GB RAM in Vista, specific graphics cards with 256 MB required memory. Advanced editing and effects, integrated DVD authoring, custom key frames, surround sound editing, graphic overlays, scrolling titles, PiP and ChromaKey (green screen) are all supported, as well.

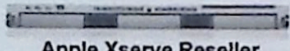


Sony Vegas

For Sony Vegas editors, an upgrade should now be available to edit AVCHD. Sony by now



Authorized Reseller



Apple Xserve Reseller



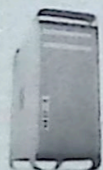
Value Added Reseller



Dell PowerEdge Server



The fastest, most powerful, most configurable Mac ever.



Two 2.66GHz Dual-Core Intel Xeon
1GB (2 x 512MB)
250GB 7200 SATA
NVIDIA GeForce 7300 GT
16x SuperDrive

from \$2699

Buy your Dell PC and notebook from Compu2000.

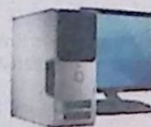
Better pricing than www.Dell.ca call 604-436-2333 for more info.

Selected models on display so you can try before you buy.

Selected models usually in stock so you don't have to wait.

Dell Dimensions in stock!

Intel® P4 524 3.06GHz
1GB DDR2 533MHz RAM
160GB SATA Hard Disk
16x DVD-RW drive
Windows Vista Home
19" LCD Flat Panel Display
1 year Next Business Day hardware on-site warranty



from \$849*

Service Department:

Network design, deployment and support. **FREE* on-site inspection.**

Knowledgeable and professional A+, Network+ and MCSE on staff.

Fast response time. Reasonable rates. **100% satisfaction guarantee.**

Notebook and high-end laser repair.

Compu2000.com Tel: 604.436.2333

106 - 3989 Henning Drive, Burnaby, B.C. V5C 0N5

B2B Sales and Technical Support positions available.
Send resume to info@compu2000.com or fax: 604-436-2619.

has at least four new AVCHD camcorders, so this only makes sense. The upgrade is free, but the Vegas + DVD suite is US\$524.96.

Premiere Pro Plugin

If you have even more resources at hand, be aware that MainConcept, a fine German codec maker, has an AVCHD solution, too. But its plug-in costs US\$449, and it's designed for the Adobe Premiere Pro software, itself priced at US\$799.99.

If there's any advantage to yet another HD video format, and the slowly emerging editing solutions for it, it's that you won't need an expensive

Blu-ray or HD DVD burner to take advantage. A highly-compressed yet still visually powerful video format, AVCHD can be burned on the same standard DVDs you already have, and the same DVD burner you already use.

And now, there are tools to do so for around \$100 – that is a first!

By Lee Rickwood

Lee Rickwood is a freelance writer and independent video producer. He operates Word On A Wire, an independent company providing editorial, media production and consulting services to individuals and companies across North America.



ehosting.ca | Proudly Canadian.

Join Our 7 Years Celebration

You'll Receive

DOUBLE WEB STORAGE*
+
UNLIMITED EMAIL ACCOUNTS*

Our Web Hosting Plans*

StartUp Plan

\$5.95/month: 100MB → 200MB Unlimited Email Accounts,
Free Domain Name

All-In-One Plan

\$9.95/month: 250MB → 500MB Unlimited Email Accounts,
Free Domain Name, MySQL/MS Access Database

Advance Plan

\$24.95/month: 650MB → 1300MB Unlimited Email Accounts,
Free Domain Name, MySQL/MS SQL Database,
Web Statistics

Giga Plan

\$29.95/month: 1000MB → 2000MB Unlimited Email Accounts,
Free Domain Name, MySQL/MS SQL Database,
Web Statistics, Store2go Shopping Cart

Call us at **604.738.2077** or visit **www.ehosting.ca**

*All promotions require a min. 24 month sign up for StartUp, All-In-One, Advanced or Giga plan. See www.ehosting.ca for more detail.

LightZone for Linux

When Light Crafts released version 2 of LightZone, they did an extraordinary thing: they allowed chief architect Anton Kast to release a free Linux version.

LightZone is a commercial photo editing and workflow product with features similar to LightRoom, Aperture and Capture One. It's designed for working on digital RAW images as well as TIFF and JPG files, either individually or in batch mode. It supports most camera RAW formats, including those from Canon, Nikon, Pentax, Leica, Olympus, Fuji, Panasonic, Minolta and Sony. The full version for Windows and Mac OS lists for US\$250.

So, why is the Linux version free, and what's the catch?

LightZone is a Java application and from day one, Kast (a committed Fedora Linux user) made sure that every major build worked with Linux. The company felt that Linux licenses would be a fraction of Windows and Mac sales, and not worth the marketing expense. Nonetheless, the company feels it gets back as much as it gives by offering a free Linux version. According to Kast, Linux users assist with bug reports, translations and valuable feedback. "The Linux version gets us so much user connection and goodwill. A company can have a whole different kind of conversation with no-charge Linux users than it can have with supported Mac/Win users."

There are a few catches, but they're small ones. First, there is no official support. Light Crafts concentrates on supporting Windows and Mac users. Windows and Mac OS get top priority in the development process as well. Linux support is offered separately via a special LightZone for Linux site (sonic.net/ffrat/lightcrafts/) where you can read the FAQ and download the

Linux version as a targz file, and sign up for the support mailing list.

LightZone for Linux comes precompiled and no source code is available. It contains its own Java runtime and can be untar'd into any directory and run by typing ./LightZone in the current directory. Because it's a Java application, it requires a minimum of 1GB RAM and a processor speed of at least 2GHz for usable performance.

LightZone takes its name from the Zone System popularized by Ansel Adams. The Zone System is a way of understanding dynamic range in a scene by breaking it into a series of 10 discreet steps or zones, from shadows to highlights. By adjusting steps in the range, Adams was able to create photographic prints of astonishing beauty. LightZone uses this as a software paradigm and employs a unique tool called Zone Mapper that maps your image into a 10-zone luminosity scale allowing you to make adjustments in any single zone. Working with the map is more intuitive than a method such as Photoshop Levels that uses sliders and numbers. A companion tool, Tone Mapper, allows you to make local microadjustments on portions of an image for increasing contrast and sharpness.

One of the features of LightZone is that operations are non-destructive. Tools are placed on a stack. Multiple versions of a tool can be placed on the stack, or removed. When an image is saved, the native format is a LZN file that takes the same name as the original RAW image with links to it. The LZN file is an XML file that preserves the stack. A LZN stack can be saved as a template and applied to numerous images in batch mode.

By Gene Wilburn

INCREDIBLE ELECTRONICS (Wholesale)

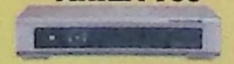
Canada's LARGEST FTA Distributor. 40,000 Systems in Stock!

YOU MUST BRING THIS AD TO RECEIVE THESE SPECIAL PRICES



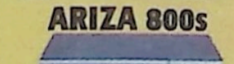
ARIZA 700

\$79.99



ARIZA 800s

\$99.99



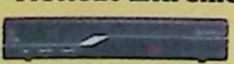
CW-600S Premium

\$99.99



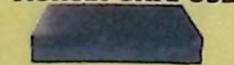
Viewsat Extreme

\$169.99



Viewsat Ultra USB

\$189.99



Coolsat 8000HDTs

\$399.99



HH Dish Motor

\$69.99



33" Dish with Dual LNB

\$44.99



5 Satellite Multi Dish

\$99.99



Sonicview SV-1000



Sonicview SV-4000 USB



Sonicview SV-PVR1000



Sonicview HD8000

10% discount
on dishes with a purchase
of any satellite receiver

Come in for in-store only specials:

Cable Clips	from \$2.49
Cable Tools	from \$11.99
Cable Connectors	from \$11.99
Satellite Multiswitches	from \$2.99
HDMI-to-HDMI Cables	from \$17.99

Coast to Coast Locations! (DEALERS WELCOME) Authorized Ariza® Distributor. We Accept Cash, Credit Card and Debit.

Prices subject to change at any time - All Prior Sales Excluded - While Quantities Last - Some products may not be available at all locations - Products not exactly as shown ~ E&OE~

Vancouver
1280 Hastings Ave. Unit 8
Coquitlam BC V3K 7A1
604-777-4430
OPEN SATURDAY
11-5 6-10 10-3

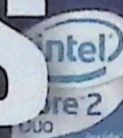
Toronto West
5301 Ambler Dr. Unit 1
Mississauga ON L4W 1H1
905-298-1332
OPEN SATURDAY Mon - Fri 9-6
Sat 10-4 SUNDAY 12-5

Toronto East
1286 Kennedy Rd. Unit 3
Scarborough ON M1P 2N5
(416) 285-8484
OPEN SATURDAY
Mon - Fri 10-6 Sat 10-4

Calgary
6518 1A ST SW,
Calgary AB T2H 0G6
403-259-3313
OPEN SATURDAY
Mon - Fri 9-5 Sat 12-2

www.phase-1.com

AVG Anti-Virus
AUTHORIZED RESELLER



Phase 1 SYSTEMS

LCD Blowout!

Best Price In Canada!



Acer 42 Inch
\$1489

**'We offer a wide range of open box iPods and Nanos.
Great Selection and amazing prices. Call us today as they go fast!'**
iPod Accessories Available Too!



22" Acer LCD
\$299!



22" Widescreen display size
1680x1050 (WUXGA)
Silver or black finish.

19" Model only \$199

Super Gaming
G-15 KeyBoard
\$65.00



Logitech.



G7 Mouse
\$75.00
(One-Button)



Phoenix System
\$1399

Asus P5N-SLI Motherboard
Intel Core 2 Duo 2.13 E6400
EVGA 7600GT 256MB PCI-E Video
1GB Kingston DDR2 667 Ram
250GB Western Digital SATA Drive
LG H22N 18X DVD R/W
Antec Sonata II Silent Case
Microsoft Multimedia Keyboard
Microsoft Optical Wheel Mouse
Windows VISTA Premium
Acer 19" 1916WA LCD Monitor



Acer 5630 Notebook
\$1399

Acer 5630-6891
Intel 2.0Ghz Core 2 Duo
2GB 667 DDR2 Ram
160GB SATA Drive
7300 Nvidia 128mb Video
Windows Media Center XP
Free Vista Upgrade!
15.4" Crystal Bright Screen
Dual Layer DVD R/W

BBB
MEMBER
Since 1982

18

Years Strong!

- On-Site Service • Data Recovery • All Repairs
- Virus Removal • Installations • Upgrades

Why us? Because with our head technician's **25 years experience** leading our team, we can offer you fast, accurate and professional service. 15 years with the BBB and no complaints, our record speaks for itself! **Our work is guaranteed.** Whether you come see us or we come see you, you will see what real service and support is all about!

For more information, email us at: info@phase-1.com

410 Willingdon Ave
Burnaby, BC, V5C 5G4

Monday to Friday 9:30am - 6:30pm
Saturdays: 10:00am - 5:00pm

Phone: 604.291.1558
Fax: 604.298.5126



All Prices Reflect
2.5% Cash Discount

Let there be Lightroom

I recently popped an eight-gigabyte memory card into a 10 megapixel SLR and the frame counter jumped to more than 650 RAW images. With that much capacity, most of us can shoot all day. When the time comes to sort through all those images, however, we might start questioning the wisdom of taking so many. This is where Adobe Photoshop Lightroom can preserve our sanity.

Lightroom represents a new breed of software designed specifically for photographers. It has the elements for cataloguing, image editing and output preparation, but all take place within a common interface. There are entry-level packages that offer the same unified functionality, but Adobe is aiming this product at professional photographers. If you shoot prolifically and capture in RAW file format, Lightroom should be high on your short list whether you consider yourself a professional or not.

Lightroom divides your workflow into five stages that are clearly labelled on the top bar of the main screen. Hit any of the steps – Library, Develop, Slideshow, Print or Web and you are in that module. The modules use a common interface – the working area is in the centre, with adjustment or information panels to the left and right. Along the bottom is a filmstrip ribbon. As you select the various modules, the side panels that hold toolsets change to offer the types of adjustments and manipulations appropriate for that activity. It's a nicely integrated interface because it reinforces the feeling that you are within the same image bank, regardless of what you are doing.

The Library module is where the main sorting, ranking and other cataloguing functions take place. Here you can access folders, EXIF camera data, rankings and keywords. There is a quick edit panel available here too, although for more extensive image processing you'd move to the Develop module.

Lightroom handles most common image types, but it excels at RAW image workflow. If you've worked with the Adobe Camera Raw utility that comes with recent versions of Photoshop, you'll recognize Lightroom's Develop module. The organization is similar and there is a common set of tools. However, Lightroom pushes the boundaries of RAW adjustments a lot further. A split-toning panel allows you to adjust hue and saturation for shadow and highlight areas independently, and the tone panel has sliders for highlight and shadow adjustment. As well, a Hue-Saturation-Luminance panel allows you to adjust the image along eight spectral segments: Red, Orange, Yellow, Green, Aqua, Blue, Purple and Magenta. And if your images suffer from sensor dust or other spot defects, the Develop module even includes a spotting tool that you can choose to use either as a healing brush or a clone tool.



Three modules handle the most common types of image output: slideshow, print and web. The Slideshow module provides a basic method of presenting a series of images. The integration with Lightroom's image database makes this process very straightforward and fast, as you can select a series of images either by sorting keywords or other parameters, or by creating an entirely new collection using the Quick Collection feature, and then simply make the slideshow – no exporting them or copying them to a different location, and no need to open a separate application. You can adjust slide and transition duration, add text titles and music, and include framing or background effects. The features in the slideshow module are fairly sparse compared to other packages designed specifically for presentations particularly in the number of transitions and other effects. Nevertheless, it's more than enough to create a simple but elegant slide presentation.

The same benefits of integration are apparent in the Web module. Once you have a group of images, it is very easy to make a web-ready gallery. You can preview it in a web browser and then upload the collection to your website.

The Print module offers a series of templates – if you want to make a contact sheet, for example – as well as colour management and layout adjustment tools. There is also an identity plate toolset that allows you to put a text watermark or other label over your images.

I have been using the Bridge application that comes with Photoshop CS2 to catalogue my images, and moving to Lightroom was a smooth transition. The underlying technologies in Bridge plus Adobe Camera Raw and Lightroom are similar, but Adobe says Bridge has features that make it useful for a broader range of activities – graphic arts, for example. Lightroom is for photographers specifically. Thus, for example, Lightroom's catalogue can be built of both online and offline image collections, whereas Bridge works more like a file browser accessing only what is currently online (including connected external hard drives).

The common ground that brings the two together is the sidecar XMP file, which holds adjustments settings, keywords, etc.. Both Bridge and Lightroom understand the XMP file and if you choose to save adjustments to XMP in one, the other will be able to read those settings. There are a few more RAW adjustments available in Lightroom's raw processing panel, but if those are written to the XMP file, Bridge will properly read them (although it will not be able to modify them).

This is one of the reasons why my transition from Bridge to Lightroom was so painless. I have several thousand images in my archive, which resides on an external USB hard drive. Using Bridge, I'd started cataloguing some of them with keywords, and when I created a new catalogue using Lightroom, those keyword tags were preserved, saving me from having to re-categorize those images.

Because Adobe ships both Mac (Universal) and Windows versions of Lightroom in the same box, I was able to test the software on both platforms, although the systems were nowhere near equal. The fastest machine in my stable right now is a one-generation old CoreDuo MacBook Pro with two gigabytes of RAM. (Apple claims the current Core2Duo machines are even faster.) Moving through the collection or sorting subgroups is very fast. Even on a single core Centrino notebook with one gigabyte of RAM running Windows XP, the experience is quite good, although the jerkiness and discontinuities in performance that comes from a single core processor is often evident.

By David Tanaka



Food for the power-hungry.

Free* giftcard on selected Intel Core 2 Duo system!



Get an NX Fusion Alchemy PC featuring the Intel® Core™2 Duo processor and rev up your multitasking with an extra gear when you need it.

NX Fusion Alchemy

- Intel® Core™ 2 Duo E6600 with dual-core processing (2.4GHz, 2MB L2 Cache, 1066MHz FSB)
- NVIDIA® GeForce™ 8600 GTS 256MB video card
- 2GB (2x1GB) PC2-6400 800MHz DDR2 memory
- 320GB 7200RPM hard drive
- Samsung 18x dual layer DVD burner
- Keyboard & Optical Mouse
- Windows Vista™ Home Premium edition

Starting at
\$1656*



Free \$50 Gift Card
(in-store sales only)**

*Advertised prices reflects default configuration only.
System shown includes optional upgrades. Monitor not included.



**Dual-core.
Do more.**

WE ARE OPEN ONLINE 24/7. Buy it online, pick it up in-store. It's that convenient!



2068W

HDCPI

\$329

Samsung 20-inch
Widescreen LCD
Savings Code 22782-1018



Back Lit Keys!

\$79

Logitech G15 Gaming Keyboard
Savings Code 16370-1018



800DPI

\$89

Logitech MX Revolution
Cordless Laser Mouse
Savings Code 20627-1018



2.1 speakers

\$39

Logitech X-230 Speaker Set
Savings Code 12962-1018

NCIXPC™ recommends Microsoft® Windows Vista™



Starting at
\$1030*

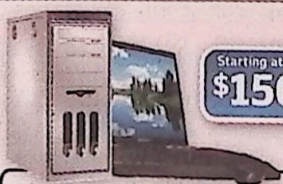
Vesta Bronze - Good Performance & Value

- Intel® Core™ 2 Duo E4300 with dual-core processing (1.80GHz, 2MB L2 Cache, 800MHz FSB)
- NVIDIA® GeForce™ 8600 GT 256MB video card
- 1GB PC2-5300 DDR2 memory
- 250GB 7200RPM hard drive
- Samsung 18x dual layer DVD burner
- Logitech Keyboard and Microsoft® optical mouse
- Windows Vista™ Home Premium edition

*Default configuration shown.



Get a free \$25 Gift Card
(in-store sales only)**



Starting at
\$1568*

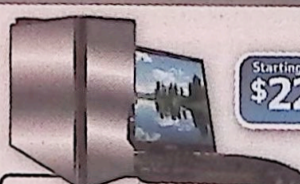
Vesta Silver - Affordable Gaming

- Intel® Core™ 2 Duo E6420 with dual-core processing (2.13GHz, 2MB L2 Cache, 1066MHz FSB)
- NVIDIA® GeForce™ 8800 GTS 320MB video card
- 1GB PC2-5300 DDR2 memory
- 320GB 7200RPM Serial ATA2 hard drive
- Samsung 18x dual layer DVD burner
- Microsoft® black keyboard & mouse set
- Windows Vista™ Ultimate edition

*Default configuration shown.



Get a free \$50 Gift Card
(in-store sales only)**



Starting at
\$2270*

Vesta Gold SLI - Exceptional Power

- Intel® Core™ 2 Duo E6600 with dual-core processing (2.40GHz, 2MB L2 Cache, 1066MHz FSB)
- NVIDIA® GeForce™ 8800 GTX 768MB video card
- 2GB (2x1GB) PC2-5300 DDR2 memory
- 320GB 7200RPM hard drive
- Samsung 18x dual layer DVD burner
- Microsoft® black keyboard & mouse set
- Windows Vista™ Ultimate edition

*Default configuration shown.



Get a free \$50 Gift Card
(in-store sales only)**

NCIX.com

BURNABY: 5068-B Kingsway PH: 604.451.8682
 LANGLEY: #104-20125 64th Avenue PH: 604.514.5700
 RICHMOND: #1063-8300 Capstan Way PH: 604.233.0308
 VANCOUVER: 1843 West Broadway PH: 604.739.9985

Picture This: Five Fun Photo Projects

If you're like most Canadian camera users, your precious photos end up in a "digital shoebox," otherwise known as your computer's C: drive, while the occasional one is printed for a photo album or emailed to a relative. But your PC can do so much more than provide a convenient storage solution.

All you need is a little time, software and your imagination, and you can turn your photos into extraordinary projects that range from scrapbooking keepsakes and professional-looking DVD slideshows to jigsaw puzzle games and fridge magnets. Here are a handful of ideas to help you get the most out of your digicam and computer.

Jigsaw puzzles

What better way to keep the kids entertained on a rainy Sunday afternoon than with a fun and challenging jigsaw puzzle? Better yet, you can create jigsaw puzzles to play on the computer for free using your own digital photos.

Available at Download.com, programs such as Tibo Software's Jigsaw Puzzle or ADC-Soft's B-Jigsaw let you design your own one-of-a-kind diversions by simply importing photos from your hard drive (such as BMP and JPEG image files) and then choosing how many pieces the puzzle should be. Then, simply use your mouse to select pieces and snap them together - if they stick, it's a fit! You can also email the puzzle to friends and family to solve. Some products are free, while others are free to try before you buy.

Slideshows

Put a sentimental spin on your precious photos by creating a stunning slideshow, set to music. Not only can you view these homemade montages on your PC, but you can also copy them to a compatible PDA, cell phone or portable video player, email them around the world or burn a disc to watch on TV via your DVD player. A good pick is the free Windows Photo Story 3, a simple-to-use, powerful tool that lets you import your desired photos and select which order they will be presented in. You can also add captions, your favourite music or with the aid of a microphone, narration, too.

While there are many kinds of slideshow programs available, Windows Photo Story 3 also lets you edit your photos (such as remove red-eye, crop or rotate) and adds automated effects such as zooming in on a photo or slowly panning from left to right.

Fridge magnets

Proudly display your memories in a place you frequent often: your fridge. By

purchasing magnetic sheets from business stores, such as Office Depot (roughly \$20 for a 5-pack), you can create your very own fridge magnets with your favourite photos. Simply feed these sheets into your inkjet photo printer and select the desired photo size. You can fit four 3.5 x 5-inch photos on one 8 x 11 sheet (or two 5 x 7-inch images). After your printer spits out the sheet, carefully cut out the photo with scissors and you're ready for action.

If you want to get creative, cut the photo into various pieces (such as triangles) and let kids put together the jigsaw puzzle on the fridge. You can also create magnet borders to hold up your paper photos. Or why not buy t-shirt transfer paper to wear your loved one on your clothes?

Special effects

With the use of computer programs such as Adobe Photoshop Elements 5.0 (\$129) or Microsoft Digital Image Suite (\$139), you can let your creativity run wild by adding filters to your photos. You may have dabbled in creating black and white or sepia tone photos from your colour ones, but with the hundreds of filters included in these software packages, you can really get, well, experimental.

For example, you can turn your pics into an impressionism painting, charcoal drawing, antique image or stained glass photo. Frankly, you can lose yourself for hours by toying around with these filters - and kids love seeing the effects, too. How about turning one of your favourite kids photos into four multi-coloured Andy Warhol-esque prints to hang on your wall? Or you can print them out and use them in your scrapbook to impress friends.

Mugs, t-shirts, photobooks and more

Finally, if you've got a shot you're really proud of (maybe one of the kids without them making a silly face for once), why not tap into the many Internet services that will take your digital photo and ship you back a personalized product. Popular Web sites, such as Shutterfly.com, let you create stunning hardcover books using your favourite photos (US\$30 for 20 pages).

Or you can order mugs, calendars, mouse pads, purses, coasters, aprons, tote bags, playing cards - you name it. Shutterfly.com also offers various children's storybooks - with your child as the leading character (US\$10-\$12).

Closer to home, check out places like your local photofinisher or the photo department in a store like Shoppers Drug Mart (which also offers a hard-cover photo book creation service).

By Marc Saltzman



ADD WINGS
to your regular Dialup

Now you can fly five times faster

5X Unlimited Dialup for **\$9.50/mo**

Sign Up Now www.qlink.ca Tel: 604-288-1082

QLink

CTS

http://www.computraksystem.com for latest prices and products

Tel: (604) 270-6797
Fax: (604) 270-9161

- CompuTrak System -

Store Hours:
Mon - Fri: 11:00-6:30
Saturday: 12:00-5:00
Sunday: Closed

AMD Sempron System

AMD Sempron (AM2) 3000+
Asus M2V-MX Motherboard
512MB DDR II PC-4200 memory
80GB Ultra-ATA 7200rpm
Integrated 3D graphics accelerator
3D sound on-board
LG 18X DVD/RW drive
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated 10/100 Ethernet

\$299

AM2 Workstation

AMD Athlon 64 (AM2) 3500+
ASUS M2A-VM Motherboard
512MB DDR II PC-4200 memory
160GB SATA II 7200rpm
Integrated 3D graphics accelerator
3D sound on-board
LG 18X DVD/RW drive
12-in-1 Card Reader
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated Gigabit LAN

\$399

AM2 Junior Extreme

AMD Athlon 64x2 (AM2) 3800+
ASUS M2A-VM HDMI Motherboard
1GB DDR II PC-4200 memory
320GB SATA II 16MB 7200rpm
Integrated 3D graphics accelerator
3D sound on-board
LG 18X DVD/RW drive
12-in-1 Card Reader
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated Gigabit LAN

\$499

AM2 Ultimate

AMD Athlon 64x2 (AM2) 4200+
ASUS M2A-MVP Gigabit LAN
1GB DDR II PC-5300 memory
400GB SATA II 16MB 7200rpm
Asus Radeon X1650XT 256MB
8-channel 3D sound on-board
LG 18X DVD/RW drive
12-in-1 Card Reader
Edifier 2.0 speaker
17" ATX case w/ 350W
Multimedia keyboard
Optical wheel mouse

\$699

AM2 Extreme Dual-Core

AMD Athlon 64x2 (AM2) 4200+
ASUS M2N-E Gigabit LAN
2GB DDR II PC-5300 Dual Channel
400GB SATA II 16MB 7200rpm
EVGA 7900GS KO 256MB PCI-E
8-channel 3D sound on-board
LG 18X DVD/RW drive
1.44MB Floppy Drive
12-in-1 card reader
Edifier 2.1 speaker
17" ATX case w/ 350W p.s.
Multimedia keyboard
Optical wheel mouse

\$799

Dual Core Workstation 2

Intel Pentium D 925 3.0GHz S775
Asrock 775I65G S775 USB2.0
512MB DDR PC-3200 memory
80GB SATA II 7200rpm
Integrated 3D graphics accelerator
3D sound on-board
12-in-1 Card Reader
LG 18X DVD/RW drive
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated 10/100 Ethernet

\$399

Core 2 Junior Extreme

Intel Core 2 Duo (E4300) 1.8GHz
Asus P5GZ-MX Motherboard
1GB DDR II PC-4200 memory
160GB SATA II 7200rpm
Integrated 3D graphics accelerator
3D sound on-board
12-in-1 Card Reader
LG 18X DVD/RW drive
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated 10/100 Ethernet

\$499

Core 2 Extreme Pro

Intel Core 2 Duo (E6420) 2.13GHz
Asus P5L-MX Motherboard
1GB DDR II PC-4200 memory
320GB SATA II 16MB 7200rpm
Integrated 3D graphics accelerator
8-channel audio on-board
12-in-1 Card Reader
LG 18X DVD/RW drive
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated Gigabit LAN

\$639

Core 2 Ultimate

Intel Core 2 Duo (E6600) 2.4GHz
Asus P5B-VM Motherboard
2GB DDR II PC-5300 Dual Channel
400GB SATA II 16MB 7200rpm
Integrated 3D graphics accelerator
8-channel audio on-board
12-in-1 Card Reader
Edifier 2.0 speaker
13.5" ATX case w/ 450W
Multimedia keyboard
Optical wheel mouse
Integrated 10/100 Ethernet

\$769

Barebone Specials

Trustworthy Performance
- P4 775 and AMD AM2
- Unique double layer frame
- Practical functionality
- Expand depending on needs

Start From \$149

Space & Productivity Revolution
- P4 Socket 775 & AMD
- Creative Space Utilization
- All-around multimedia machine

Start From \$189

Value Barebone
- P4 775 and AMD AM2
- Practical functionality
- Stylish appearance
- Extrem Performance

Start From \$153

First Broadwater BTX Platform
- supports latest Intel Core CPU
- low power consumption

Start From \$216

Shuttle Xc
Compact outside-Smart inside
- P4 and AMD Athlon64 models available
- Style performance and efficient
- All models equipped with SilentX
- technology for super quiet
- super cool systems

Start From \$136

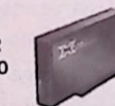
"Call for model specifications and availability"



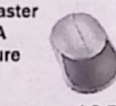
Ridata
52X CD-R
Spindle of 50
\$10.99



Philips
16x DVD-R
Spindle of 50
\$14.69



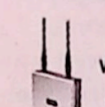
Cooler Master
ESATA
Enclosure
\$43.99



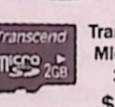
TOSHIBA
Wireless
Mouse
\$23.99



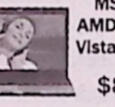
Microsoft
VX3000
\$35.99



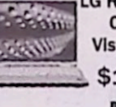
Linksys
WRT54GR
\$59.99



Transcend
Micro SD
2GB
\$33.99



MSI M670
AMD 64x2 1.6
Vista Premium
\$829.99



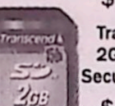
LG R405-GP01A9
C2Duo 1.8
Vista Premium
\$1129.99



Antec
SP450
Power
Supply
\$69.99



Encore USB
Wireless
Adapter
\$23.99



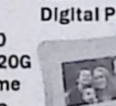
Transcend
2GB 150X
Secure Digital
\$28.99



lenovo
LENOVO C200
Duo 1.66. 1G
Vista Home
\$873.99



acer
AS5610
Duo 1.6 120G
Vista Home
\$749.99



KDS
Digital Photo Frame
\$96.99

ASUS Ensemble

ASUS Notebooks Specials

"Call for specifications and availability"

ASUS F9J

Intel Core 2 Duo 1.66
Nvidia Go 7300 128MB
12.1" WXGA
1GB DDR2 667
120GB SATA
DVD-RW DL
Wireless LAN
1.3 MP Camera
4-in-1 Card Reader
Vista Premium



Entertainment

NEW

ASUS R2H

Intel Celeron M 1GHz
7" LCD Touch Screen
1280MB DDR2 533
80GB 4200
Wireless LAN
Vista Premium



Ultra Mobile PC

ASUS A7S

Intel Core 2 Duo 2.0
17.1" WXGA
2GB DDR2 667
200GB 4200rpm
1.3 MP Camera
5-in-1 Card Reader
DVD-RW DL
Wireless N
Vista Premium



NEW

ASUS R1F

Intel Core 2 Duo 1.66
13.3" WXGA
1GB DDR2 667; 80GB SATA
DVD-RW DL; 8-in-1 Card Reader
Wireless LAN, BT
Vista Business



Tablet

ASUS G1

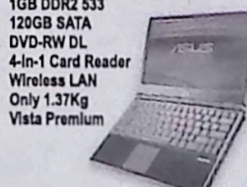
Intel Core 2 Duo 2.0
Nvidia Go 7700 512MB
15.4" WXGA
2GB DDR2 667
160GB SATA
DVD-RW DL
Bluetooth
Wireless LAN
1.3 MP Camera
Vista Premium



Gaming Notebook

ASUS S6FM

Intel Core Duo 1.33
11.1" WXGA
1GB DDR2 533
120GB SATA
DVD-RW DL
4-in-1 Card Reader
Wireless LAN
Only 1.37Kg
Vista Premium



Superior Mobility

ASUS W5FE

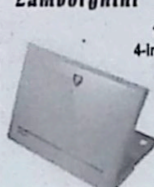
Intel Core 2 Duo 2.0
12.1" WXGA
1.5GB DDR2 667
160GB SATA
Wireless LAN
8-in-1 Card Reader
1.3 MP Camera
Bluetooth
Vista Business



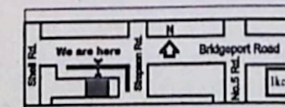
Auxiliary Display

ASUS VX2

Intel Centrino Duo/Core 2 Duo 2.16
Nvidia Go 7700 512MB
15.4" WSXGA
2GB DDR2 667
160GB 5400rpm
4-in-1 Card Reader
Wireless LAN
1.3MP Camera
DVD-RW DL
Bluetooth
Vista Ultimate



Camborghini



All systems - 1 year parts & 3 years labour warranty
All Prices Reflect 2% Cash Discount
Government And Corporate Purchase Orders Welcome
Leasing Available OAC
Prices Subject To Change Without Prior Notice

#5 - 11240 Bridgeport Rd. Richmond, B.C., V6X-1T2

All product names, trademarks and registered trademarks are properties of their respective owner

Nikon's mid-range D80

After plodding along in the six megapixel camera space for a few years, Nikon popped the cork on a succession of 10 megapixel SLRs. The D200, D80 and D40x are all 10.2 megapixel models, but aimed at different users. In-store prices for this trio ranges from \$900 to \$1,700 (body only). The \$1,700 D200 has magnesium body construction, weather sealing on the doors and other openings and a faster image processor, so it is aimed at a more extreme camera user. The most recent of the trio, the D40x aimed at first-time SLR purchasers, is a refresh of the D40, and among other things, bumps the resolution from six to 10.2 megapixels.

The price difference between the D40x (street price is just under \$900) and D80 is just \$200, so a fair question is what does the extra cash get you. There are a few performance as well as ergonomic differences between the two. The viewfinder system is different. The D40x uses a penta-mirror whereas the D80 uses a true pentaprism. The D80's viewfinder magnification factor is closer to lifesize (0.94x vs. 0.8x for the D40x) and the eyepoint is slightly longer (19.5 mm for the D80 vs. 18 mm for the D40). The extra 1.5 mm doesn't sound like much, but it may be just enough to allow eyeglass wearers to see the full viewfinder frame without jamming their glasses into eyepiece.

The D80's autofocus system is also more sophisticated, with 11 selectable focus points (compared to three for the D40x). The D80 also has wider support for older Nikon lenses (the D40x's support for older Autofocus systems isn't as extensive, for example).



On the other hand, like the D40x the D80 has several automated scene modes. These are factory assigned presets for specific shooting situations such as portraiture, landscapes, sports, etc., and are usually found on point and shoot and entry-level models (like the D40x). Frankly, for the D80 I think the dial space is wasted on these functions, as the camera has the goods to attract a more advanced user.

One of the major adjustments SLR users had to put up with in the first couple of generations of consumer digital SLRs was the relatively low viewfinder magnification – the image was somewhere down that long dark tunnel. So when I picked up the D80 for the first time, the 0.94x viewfinder magnification was a joy to see. It's eye-popping big, and that factor alone gave me a very favourable first impression.

And the favourable impression didn't stop at the viewfinder – there are many things to like about this camera. It uses a two-wheel selection system that many other advanced cameras use (one under your thumb, the other under your index finger), a proven way to quickly and simply adjust two exposure vectors. (For example, in manual mode, one wheel controls f-stop, the other controls shutter speed.) A gratifying, large (2.5-inch) colour LCD sits on the back, and the menu system is well organized. One-touch buttons provide quick access to often-changed settings like white balance and image quality. If you've used a digital camera before, there shouldn't be too much in the menu structure that will mystify you after a brief orientation.

A camera with good ergonomics will still fail if the image quality is below par. Happily, the D80 shines here too. When I bought my SLR a few years ago I considered it the best six megapixel model for under \$3,000. But the superior image detail from the \$1,100 D80 is obvious – 40 percent more pixels do make a difference in the detail that can be recorded. The camera has a number of settings that change the colour characteristics of jpeg images, so you can tune the settings to match the subject. Shooting in raw format means that basic exposure parameters like exposure, white balance (or colour temperature) and contrast can be modified at will after the photo is taken.

When the D80 was introduced, it was often described as a junior D200, since the features were very close but the D80 didn't have the ruggedness of the D200. The body is plastic, not metal, but it's smaller and lighter and for users like me, that's a fair trade-off.

By David Tanaka

MICROTECH Cyber Service

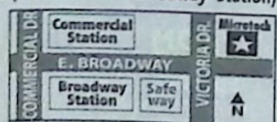
tel: (604) 266-9890

tech: (604) 266-9851

www.microtechpc.ca

e-mail: info@microtechpc.ca

1923 E. Broadway, Vancouver
(1 block E. of Broadway Station)



INTEL DUAL CORE SYSTEM SPECIAL

- Asus All-in-One Motherboard
- LG 18x DL DVDRW w/ software
- 160GB S-ATA2 Hard Drive
- Logitech KB& optical mouse
- 1GB DDR2 Memory
- MT 450W ATX Case

PentiumD 3.0GHz....\$399

MS-XP Home/Pro ..\$99/159 MS-VISTA Premium ...\$129

External USB 2.0 Hard Drives

3.5" 80/250/320/500GB\$69/99/139/189

2.5" 40/80/120GB\$79/89/109

Data Recovery Service
Laptop/LCD Repair Specialist

SmartPC DIGITAL Security System COMMERCIAL GRADE



In-store demo available

- Intel Pentium4 3.0GHz Processor
- 250GB Hard Drive / 512MB DDRAM
- 4-Channels Capture Card w/1 Camera
- 24x7 Recording / Internet Access
- 17" CRT Monitor (free with system)

ONLY \$499



RESSELLERS WELCOME

Special:

1. 4-Channels 30fps Capture Card with Recording Software ...\$59
2. 120fps 4 channels Hardware Compression Video Capture Card with MPEG4, H.264 Codec (very low requirement on PC, very clear, commercial grade)\$259



Up to 5 Times Faster than USB 2.0 !

Serial ATA



Your computer system is only as fast as your slowest component. With the advent of Serial ATA 3Gbp/s hard drives, storage device is finally catching up with your multi-core CPUs. Vantec will take you to the next generation of peripheral connection. With special designed connector and cable, eSATA cable gives reliable transmission in a blazing speed that's 5x faster than 480mbps USB! This big pipe will revolutionize external storage and enable you to back up your data at least twice as fast.

STORE n SHARE



SATA External Hard Drive Enclosure



2.5" enclosure also available

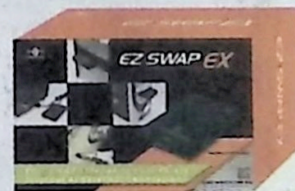
SATA Removable Hard Drive Rack



SATA / IDE to USB 2.0 Adapter



SATA 2.5" Internal / External HDD Enclosure



NCIX
www.ncix.com

Canada Computers
www.canadacomputers.com

Memory Express
www.memoryexpress.com

PC Cyber Computer
www.pccyber.com

MicroBytes
www.microbytes.com

Infonec
www.infonec.com

Extreme PC
www.extreme-pc.ca

Anitec
www.anitec.ca

BCOM
www.bcom.ab.ca

PC Village
www.pcvillagecanada.com

Logic Computer House
www.logiccomputerhouse.com

Filtech Computer
www.filtechcomputer.com

Sonaggi Computers
www.sonaggi.com

Wintronic Computers Plus
www.wintroniccomputers.com

Sonex Computer
www.sonexpc.com

New Type Computer Workshop
www.ntcw.com

Bestbyte Computer Performance
www.bestbytecomputer.com

Mega Computer Systems
www.megacomputer.ca

Robotnik
www.robotnik.com

Distributed by:



ASI Canada
1-888-2000-ASI
www.asipartner.com



Eprom
1-800-26-EPROM (Ontario)
1-604-214-9828 (British Columbia)
www.eprom.com



for more information on where to buy please go to
<http://www.vantecusa.com/wheretobuy.html>

Copyright © 2006 Vantec Thermal Technologies. All Rights Reserved.
All Registered Trademarks Belong To Their Respective Companies.

Canon's Digital Rebel XTi

Welcome to the digital SLR world

After years of anticipating the move from film to digital photography, I've finally taken the leap with Canon's Digital Rebel XTi and won't ever look back.

A testament to the quality of Canon's cameras is my Canon EF manual focus 35mm SLR, which my father purchased in 1974 and passed along when I enrolled in my first high school photography class. The camera still functions beautifully to this day, and is one of the reasons it took me so long to make the switch over to a digital equivalent.

When digital cameras entered the market, I first opted for the PowerShot S100 Digital Elph. I wasn't ready to forgo the 50mm, wide angle and macro lenses I inherited with the EF (or afford the replacements) and figured the 2.1 megapixel point-and-shoot was a good introduction to digital photography.

I enjoyed the Elph, but immediately grew fascinated with the manipulation of my photos rather than the actual process of taking the shot. So when my Elph reached the end of its lifespan (due to the battery, not the camera), I decided to purchase a high quality scanner instead. In my eyes, this route was a third of the cost of a digital SLR and still allowed me to digitally manipulate those film-based SLR shots.

After a short while, I missed the convenience of a point-and-shoot, as fussing with the EF and a flash became a chore, as did scanning every photo I took. I soon found myself back at the photo counter, with a point-and-shoot in one hand and the Digital Rebel in the other. But I couldn't justify the move when I still had a perfectly functioning SLR at home. I walked out with the PowerShot A620. (To avoid the pitfall of the Elph, I purchased a model that ran on AA batteries.) I kept telling myself that the Rebel was just a bonus

camera – something I wanted, but didn't really need.

I realized how wrong I was the first time I spent an afternoon with the XTi. This camera opened my eyes to the world of digital photography, allowing me to forget about Photoshop and renewing that long-lost interest in the process of photo taking itself.

This is in large part to the LCD screen, something I haven't had the opportunity to appreciate. The XTi's 2.5 inch screen allows you to set your menu options and immediately review your shots to quickly determine whether those settings you are experimenting with are working for you or not. The instant gratification really encourages further experimentation with manual settings, which helps further refine your skills. All the settings are recorded and presented on the screen, so you don't have to rely on pen and paper or good memory to recall how you created that great shot. The screen displays images (which can be viewed at a 160 degree angle) with remarkable clarity so you can actually see the subtleties between settings.

LCD screens tend to suck the life out of your battery (another reason I haven't been a big fan), but the XTi includes an automatic shut off feature that kicks in every time you put your eye up to the viewfinder. This is supposed to help you compose your shot (minimizing distraction from the LCD), but the battery life saved is the true bonus here.

My first time operating a digital SLR, I expected complicated menu options and was surprised at how intuitive this model really is. Within the first hour of having the XTi out of its box, I was completely comfortable finding, selecting, and activating nearly all of the functions. And considering all the features and functions offered in this camera, the lack of frustration is key to a first-timer enjoying its use.



Since 1997 www.powersonic.ca

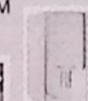
Open MON. - SAT. 10am - 6:30pm

Powersonic.ca

11400 Bridgeport Road, Unit # 104, Richmond, BC V6X 1T2 **TEL: (604) 214-9316, 214-9326 FAX: (604) 214-9317**

The Pioneer

Sempron 3000.....\$239
 Sempron 3500.....\$259
 MSI/ECS Motherboard
 512MB DDR2 667Mhz RAM
 Video Sound Lan on Board
 80GB 7200rpm HDD
 LG 16x DVD
 17" Mid Tower Case
 Keyboard + Wheel Mouse + Speaker



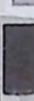
AM2 Master

AM2 Sempron 3200....\$319
AM2 Sempron 3600...\$335
AM2 Dual Core 3600...\$355
 ASUS M2N-MX AM2 Motherboard
 1GB/1024MB DDR2 667Mhz RAM
 Video Sound Lan on Board
 80GB 7200rpm HDD
 LG 18x DVD Burner Dual Layer
 17" ATX Tower Case
 Windows PS2 Keyboard
 Optical Wheel Mouse
 Multimedia Speaker



Play Center

AM2 Dual Core 3600.....\$509
 AM2 Dual Core 4200.....\$545
 AM2 Dual Core 4600.....\$565
 ASUS M2N-E Motherboard
 1GB DDR2 667Mhz RAM
 eVGA 7300GS 256M Video
 250G SATA2 7200rpm HDD
 LG 18x DVD-RW Dual Layer
 17" Black Tower Case
 Logitech PS2 Keyboard
 Logitech Optical Wheel Mouse
 Logitech 2.1 Subwoofer Speaker



Power Gamer

AM2 Dual Core 4800.....\$1179
 AM2 Dual Core 5200...\$1229
 AM2 Dual Core 5600...\$1259
 ASUS M2N-E AM2 Motherboard
 2GB Corsair 800Mhz DDR2 RAM
 eVGA 8600GTS 256M PCI-E Video
 320G SATA2 (16M) HDD
 LG 18x DVD Burner Dual Layer
 Tt Amor Jr. Gaming Case
 CoolerMaster 600W Power
 Logitech G15 Gaming Keyboard
 Logitech G5 Gaming Mouse
 Logitech X-530 5.1 Speaker



Home Officer

CeleronD 2.8G.....\$245
CeleronD 3.3G.....\$259
 ECS P4 Motherboard
 512MB DDR2 667Mhz RAM
 Video Sound Lan on Board
 80GB 7200rpm HDD
 LG 16x DVD
 17" Mid Tower Case
 Keyboard + Wheel Mouse + Speakers



P5 Partner

P4 -631 3.0G\$335
P4 -925 Dual Core 3.0G...\$359
 ASUS P5VD2-MX Motherboard
 1GB/1024MB DDR2 667 RAM
 Video Sound Lan on Board
 80GB 7200rpm HDD
 LG 18x DVD Burner Dual Layer
 17" Mid Tower Case
 Windows PS2 Keyboard
 Optical Wheel Mouse
 Multimedia Speakers



P5 Commander

Dual Core 925 (4M) 3.0G.....\$559
 Core2Duo E4300 1.86G.....\$599
 Core2Duo E6420 2.13G.....\$679
 Core2Duo E6600 2.40G.....\$719
 ASUS P5LD2 Motherboard
 1GB/1024MB DDR2 RAM
 nVidia 7300GS 256M PCI-E
 250G SATA2 7200rpm HDD
 LG 18x DVD Burner Dual Layer
 Cooler Master Tower Case
 Logitech PS2 Keyboard
 Logitech Optical Wheel Mouse
 Logitech 2.1 Subwoofer Speaker



P5 Xtreme

Core2Duo E6420 2.13G.....\$1389
 Core2Duo E6600 2.40G.....\$1429
 Core2Duo E6700 2.66G.....\$1529
 ASUS P5B Core2Duo Motherboard
 2GB Corsair 800Mhz DDR2 RAM
 eVGA 8800GTS PCI-E Video
 320G SATA2 (16M) HDD
 LG 18x DVD Burner Dual Layer
 CoolerMaster Mystique Case
 CoolerMaster 600W Power
 Logitech G15 Gaming Keyboard
 Logitech G5 Gaming Mouse
 Logitech X-530 5.1 Speaker



Acer AS5630-6459 with Vista Premium

Core 2 Duo 1.6Ghz CPU
 160GB Hard Drive
 2GB DDR2 RAM
 GeForce 7300 128M
 DVD+/-RW DL Burner
 15.4" 1280x800
 802.11g Wireless Lan
 Orbitcam, Card Reader
 Vista Premium Installed

\$1229more Laptop on www.powersonic.ca

Acer AS5610-4621 w/Vista Premium

Core Duo 1.6Ghz CPU
 160GB Hard Drive
1GB DDR2 RAM
 Intel GMA 945 Video
 DVD+/-RW Burner
 15.4" 1280x800
 802.11g Wireless Lan
 5 in 1 Card Reader
 Vista Premium Installed

\$839more Laptop on www.powersonic.ca

ASUS W7J-3P116C

Core Duo 1.66Ghz CPU
 120GB Hard Drive
1GB DDR2 RAM
 GeForce 7400TC Video
 DVD+/-RW Burner
 13.3" WXGA
 802.11g Wireless Lan
 2 Years Asus Warranty
 Vista Premium Installed

\$1479more Laptop on www.powersonic.ca

MSI M6662 (((2 Year Warranty)))

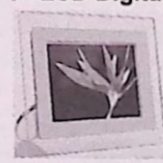
<<< Vista Basic Installed >>>
 Intel Core2Duo 1.66Ghz CPU
 80GB Hard Drive
 1GB DDR2 RAM
 DVD+/-RW DL Burner
 15.4" Super Glare w/CBD
 Wireless Lan / GB Lan
 Bluetooth / Card Reader
 Full Size Keyboard w/
 Numerical Keypad

\$1029more Laptop on www.powersonic.ca

**Tablet with Cordless Mouse
 for Drawing and Painting
 8" x 6"**

**\$79**

7" LCD Digital Photo Frame

**\$89**

*While Quantity Last

w/ USB & Card Reader Input

10.4" LCD Digital Photo Frame

**\$169**

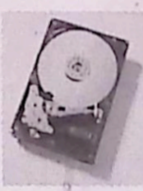
*While Quantity Last

w/ USB & Card Reader Input

ECS 761GX-M754 Motherboard + SEMPRON 3000+ CPU & Fan

**\$94.88**

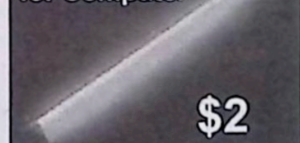
**WD 500GB
 SATA2 (16M)
 7200rpm
 Hard Drive**

**\$128**

**Bluetooth GPS
 for PDA, Pocket PC,
 Laptop, Smart Phone**

**\$89**www.powersonic.ca

**Neon Light
 for Computer**

**\$2**

**DigiTVBox
 Watch TV on
 your monitor
 (No Computer
 needed)**

**\$58**

**Foldable Mini Keyboard
 USB/PS2**

**\$12**

**PCMCIA to USB2.0
 4-Port Adapter**

**\$16.88**

*While Quantity Last

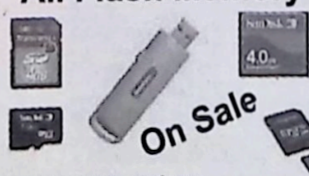
**Logitech Wireless
 Keyboard & Mouse Combo**

**\$25**

**Chinese Hand-Writing
 Input System**

**\$45**

All Flash Memory

**On Sale**www.powersonic.ca

**Toshiba 120GB IDE 2.5"
 Notebook Hard Drive**

**\$83**

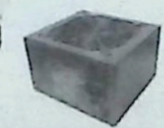
*While Quantity Last

**Brother HL-2040 USB
 Laser Printer 17ppm**

**\$98.88**

*While Quantity Last

**Cooler Master 500W extreme
 RP-500-PCAR Power Supply**

**\$49**

List price reflects 3% discount of cash/interac payment. Product's images may differ from the pictures shown in this ad. Microsoft oem products will be sold with new system only. Price, availability subject to change without notice. All trademarks and brand names are properties of their respective owners. Powersonic is not responsible for any errors or omissions in this ad content.

The XTi incorporates features for all users, whether introductory, intermediate or advanced. For introductory-level users, there are seven basic modes that offer the same ease-of-use you'd find in a point-and-shoot. The most noticeable difference for such a user would probably begin with the higher quality, contrast and colour in the shots (thanks to the XTi's 10.1 megapixel CMOS sensor). For those worried about too many megapixels clouding resolution and producing noise, the XTi's CMOS sensor maintains high resolution with a 1.6x conversion ratio.

If you enjoy experimenting with colour, six picture styles are offered (standard, portrait, landscape, neutral, faithful and monochrome for black and white shots) that will adjust the tone, contrast, saturation and sharpness of your shots. You can also save up to three custom settings of your own.

An intermediate user will find the semi-manual functions helpful, such as aperture priority, shutter priority, auto depth of field, auto exposure (with access to additional features) or even the full manual exposure setting. The shutter speed ranges from 1/4000 of a second to 30 seconds and includes the infinite bulb. (The shutter will sync up to 1/200 of a second with the flash.) There are a wide range of ISO settings (from 100 to 1600), which is especially intriguing for someone just moving over from film.

Also of interest to intermediate users are three auto focusing modes: one for stationary subjects, one for moving subjects, and a "smart" setting that will start or stop focusing for unpredictable subject movements. Three metering modes (evaluative, partial, center-weighted) are also provided. And new to this model are nine individually selectable autofocus points.

Advanced users should be fully satisfied with a histogram that displays either brightness levels or separate RGB values. You also have the ability to shoot in JPEG Large + RAW mode for advanced printing and editing, and have the option between sRGB or Adobe RGB colour settings. Seven preset options are available for white balance, which is also customizable.

Equipped with a DIGIC II Image Processor, the XTi provides the responsiveness, power and speed you need when you don't have time to think twice about a shot. I broke in my XTi with a photo shoot of my sister's newborn baby, capturing three frames per second in continuous shooting mode (which can produce 10 RAW images in a row) in-between crying fits and random naps. The XTi happily kept up with the pace. In the amount of time it takes for you to announce that you need to wait for the flash, the three-second recycle time ends and becomes operational again. On a full charge, the battery allowed me to fill my 4GB CF card with hundreds of RAW shots. And the 0.2 second startup was near-immediate.

The EOS Integrated Cleaning System is a self-cleaning image sensor unit/dust removal system that Canon says is available "on no other camera

of any make, at any price." The XTi will literally shake dust particles off the CMOS sensor to keep itself clean. Further dust removal is possible by aiming at the camera at a white surface and "mapping" the size and position of the dust. This information is attached to your shots and once the files are transferred to your computer, the included Digital Photo Professional software will automatically remove it. The lens filter also includes an anti-static charge so dust doesn't get attracted to your lens in the first place.

The XTi feels good and features a sturdy grip for your right hand. The body is lightweight, so you won't feel a burden if you need to carry it around with you for a whole day. You even have the choice between a black or silver body colour.

Ever since the first Digital Rebel was introduced in the fall of 2003, pricing has hovered around \$1000, with Canon continually improving the quality for the price. The XTi comes with an MSPR of \$1175 for the body-only kit and \$1350 for the zoom lens. It also comes complete with a Mac and Windows compatible software bundle for photo editing, image noise reduction, direct printing, and the new dust delete data function.

By Jennifer Kavour

Important dates in Canon's history

- 1933** Dr. Takeshi Mitarai, Goro Yoshida and Saburo Uchida open "Precision Optical Instruments Laboratory" in Tokyo
- 1934** Yoshida produces the prototype for the "Kwanon," Japan's first 35mm focal-plane shutter camera
- 1936** "Hansa Canon," the company's first commercial 35mm model, hits the market at 275 yen
- 1937** The company is incorporated as Precision Optical Industry, Co., Ltd.
- 1947** The company is renamed "Canon Camera Co. Inc."
- 1955** Canon opens a US branch in New York City
- 1969** The company renames itself Canon Inc.
- 1971** Canon introduces the F-1 system of advanced SLR cameras
- 1973** Canon Canada Inc. is established in Mississauga, Ontario
- 1976** The AE-1 is introduced as the world's first SLR with computer-controlled automation
- 1981** Canon updates its premiere SLR camera with the New F-1
- 1990** The EOS Rebel is introduced, as is the BJ-10e Bubble Jet printer
- 2000** Canon introduces the PowerShot S100 DIGITAL ELPH as the world's smallest 2 MP digital camera with an optical zoom lens
- 2002** The EOS-1Ds digital SLR for professionals featuring an 11.1 megapixel full-frame CMOS sensor is introduced
- 2007** Canon celebrates the 20th anniversary of its EOS system by announcing the world's fastest digital SLR camera, the EOS-1D Mark III

Global ideas One-Stop Media House

*Minimum quantity required for each item advertised.



Generic DVD 8X
\$10 50pcs cakebox

TDK DV
5 Pack, 60min
\$13.95 ea / pk



WOW!!!

Taiyo Yuden
Water Shield DVD
White Hub Inkjet Printable
\$44.50 / 50pcs per cakebox

DVD Case
Single or Double \$17 Triple \$19
(100pcs per case)

Acard CD/DVD Duplicator

-Stand alone operation
-1 to 7 CD/DVD duplication
-Hard drive optional
Just add burners

\$399

T: 604-303-7371 E: info1@globalideas.ca

www.globalideas.ca

CD Media

HP CD 52X, 50pcs
HP Lightscribe CD 52X, 25 pcs
HP CD RW 12X, 10pcs
RData CD 52X, 50pcs
Printable White/Silver CD 52X
Digital Audio CDR

DVD Media:

HP DVD +/- R 16X
HP Lightscribe DVD 16X
Maxell DVD 8X/16X
Pricco DVD 4X
RData DVD 8X
Taiyo Yuden DVD 8X/16X
Inkjet white/silver DVD-R 8X
Dual layer DVD +/- R
DVD +/- RW

Prof. Media

Sony, Fuji, Panasonic, Maxell

Accessories

CD Jewel Case
Colour CD Slim Case
DVD Case
Single multi (2, 3, 4, 6, 10)
Plastic/Paper Sleeve
Cardboard Mailers
Bubble Lined Mailers
CD / DVD Cello Wrap
Full Face CD Labels
HDMI Cable / Batteries
Duster 100z / Duplicator
Digital Web Camera
Disc & Lens Cleaner
Inks, Ribbons & Cartridges

Contact us for quotes
+ more unlisted products!

100 CDR Duplication \$99



#21-12391 Bridgeport Rd.
Richmond, B.C. V6V 1J4
Tel: (604) 244-0793
Tech: (604) 244-8793
Fax: (604) 244-9762
E-mail: addax@addax.bc.ca
Mon-Sat 10am-6:30pm
Sun & Holiday-12pm-4pm

ADDAX Inc.

Since 1996

www.addaxcomputer.com

Super Special
The Lowest price in town
AMD 2800CPU w/ ECS MB
Integrated LAN, Audio, Video
256M DDR Memory, 80G HD
52X2X52 CD-RW, 18" ATX Case
PS/2 Keyboard, Wheel Mouse, Speakers
\$219

Please check our web site **WWW.ADDAXCOMPUTER.COM** for the latest prices and best deals!

All listed prices reflect 3% cash discount. All systems are tested and burned-in for 48 hours before shipping. All price & Spec. are subject to change without notice. Systems are high speed internet ready with 3 years labor & 1 year parts warranty
With system purchase only: Vista Home/Pre/Business/Ultimate...\$109/139/169/219, 64bit Vista Home/Pre/Business/Ultimate...\$119/144/179/239, MS Office 2007 Basic/SBE/PRO...\$199/269/359, Spy sweeper...\$49.
Norton Antivirus 2007...\$22, Norton Internet Security...\$28, Win 2003 Enterprise Server w/5 cal...\$899, Win 2003 Server w/5 cal...\$799, * Extended & 72-Hour Express Warranty available upon request with system purchases *

Athlon 64 Am2- 3D & Video
3800 Dual core \$529
4200 Dual core \$559
5600 Dual Core \$655
6000 Dual Core \$719

ASUS M2N MB(AM2)
Samsung 1.6G 677MHz DDR2
250G SATA-II hard drive
Multi-Function Card Reader
ATI X1650 512M PCI-EX
LG 18x Dual DVD-RW&CD Rewriter
LAN & Audio on-board
Logitech Keyboard & Optical Mouse
18" Quiet ATX Case
1394(IEEE) Port
Logitech R20 Spks w/Subwoofer
19" Samsung 940NW...\$209

AMD Dream Machine
3800 Dual core \$454
4200 Dual core \$585
5600 Dual Core \$579
5200 Dual Core \$639

ASUS M2N MB/6xUSB2.0
Samsung 1.0G DDR2
250G SATA-II Hard Drive
Multi-Function Card Reader
nVidia 7300GT 256M PCI-E
LG 18x Dual Layer DVD & CD Writer
Audio & Lan on-board
Logitech Internet keyboard & Mouse
18" Quiet ATX Case
2.1 Speakers w/ Sub
17" LCD...\$185

AMD(64bit-AM2)— Best Buy
AMD 3000 \$255
AMD Dual Core 3800 \$309
AMD Dual Core 4200 \$345
AMD Dual Core 5600 \$438

ASUS M2V-MX MB w/6 USB2.0
Samsung 512MB DDR 2
80G 8M 7200rpm Hardrive
1.44MB floppy drive
3D Video Integrated
LG 18x Dual Layer DVD-RW
5.1 sound card & Lan integrated
PS/2 Keyboard & Wheel Mouse
18" P4 400W USB Front Case
140w Speakers
17" LCD...\$185

Intel-Super Deal
Celeron 3.0G \$279
Intel-3.2 Dual Core \$329
Intel-3.4 Dual Core \$422

ASUS P5VD2MX MB (775)
Samsung 512 MB DDR2
80G 8M 7200rpm Hardrive
1.44MB floppy drive
64MB Video Integrated
LG 18x Dual Layer DVD-RW
5.1 Sound Card & Lan Integrated
PS/2 Keyboard & Wheel Mouse
18" P4 400W USB Front Case
140w Speakers
17" LG (8ms) LCD...\$185

Intel(64bit)-Dream Machine
Intel-3.2 Dual Core \$475
E4300 Core 2 Duo \$499
E6320 Core 2 Duo \$532

ASUS P5VDC-X MB/6x USB2/
Samsung 1G DDR2
250G SATA-II Hard drive
Multi-Function Card Reader
nVidia 7300GT 256M PCI-E
LG 18x Dual Layer DVD-RW & CD Rewriter
6 Channel Integrated Audio & Gigabit Lan
Logitech Internet Keyboard & Optical Mouse
18" 400W Quiet ATX Case
2.1 Speakers w/ Sub
17" (8ms) LCD \$185

Intel Core 2 Duo
Intel 1.88G(E4300) \$565
Intel 2.13G(E6420) \$649
Intel 2.4G(E6600) \$685
Intel 2.66G(E6700) \$792

ASUS P5VD2-X MB/6x USB2
1.0G 667MHz DDR2 RAM
320G SATA II Hard Drive
Multi-Function Card Reader
nVidia 8500GT 256M PCI-E w/TV out
LG 18x Dual Layer DVD & CD Writer
6 Channel Audio
Gigabit Lan on-board
Logitech Keyboard & Mouse
18" ATX Quiet Case
Logitech R20 Speakers
19" Samsung 940NW...\$209

Athlon64 - SLI Gamer
4200 Dual Core Am2 \$1133
5600 Dual Core Am2 \$1227
6000 Dual Core Am2 \$1295

ASUS M2N-SLI Deluxe MB(AM2)
2.0G DDR2
500G SATA-II Hard Drive
Multi-Function Card Reader
nVidia 8800GTS 320M w/TV-out
LG 18x Dual Layer DVD-RW
6 Channel audio & Lan on-board
Logitech Wireless KB & Mouse
18" Antec Sonata II Ultra Quiet Case
Altec Lansing 5.1 Speakers w/remote
19" Samsung 940NW...\$209

Weekly-Specials

LCD Digital Frame (Photo, movies) \$89
All Ink & Toner Models—
Only \$5 up
External 250GB 8MB HD - \$89
External LG 16x DVD+-DL Writer \$56
250GB 8MB HD \$77
USB 2.0 Floppy/PCI card - \$29/12
USB Lan Adaptor - \$12
USB Wireless G Adaptor - \$24
SATA & IDE to USB Adaptor-\$18
USB Super Shock Gamepad - \$16
Wireless—\$45

4G USB Driver—\$44
2G USB Driver—\$25
SD 4.0G 150x Card—\$49
Universal Travel Laptop
Adaptor.....\$38
Day/Night Wireless
Camera—\$59
USB Webcam—\$16
FM Transmitter w/LCD—\$19
Photo Bank Box—\$55
Laptop Cooler Aluminum w/
3 Big fans & 4 USB Ports-\$22
Logitech Z5500 THX - \$319

Intel Xeon Server

Dual Core 1333 MHz
Dual Core 5130(one chip) \$1976
Dual Core 5130(Two chip) \$2434
Intel S5000VMB w/Gigabit LAN
2x250G SATA II HD (Raid 1)
2.0G DDR2 ECC Memory
Integrated Video & 1.44MB Floppy
16X DVD-ROM Drive
Server Case
PS/2 Keyboard & Optical Mouse
Upgrade:
Raid 5 w/4x250G HotSwap HD—\$519

Intel Core 2 Duo Gamer

Intel 2.4G (E6600) \$1309
Intel 2.66G(E6700) \$1405
Intel 2.4G(Q6600) Quad \$1687
ASUS P5B-E 965 Chipset MB
2.0G 800MHz DDR2 Kit
500G SATA II Hard Drive
Multi-Function Card Reader
nVidia 8800GTS 320M DDR3 PCI-E
LG 18x Dual Layer DVD & CD Writer
8 Channel Hi-Definition Audio
Gigabit Lan on-board
Wireless Keyboard & Mouse
Antec Sonata II Ultra Quiet Case
Altec Lansing 5.1 Speakers w/remote
19" Samsung 940NW...\$209

CPUs
AMD Dual Core Am2 3800/4000/4200/4600...94/118/125/139
AMD Dual Core Am2 4800/5000/5600/6000...154/186/209/269
Intel LG4775 Dual-Core 3.0/3.2/3.4G...102/109/198
Intel Core 2 Duo E4300/6420/6600/6700...139/218/255/355
Intel Core 2 Quad Q6600...619

Hard Drives
IDE 7200rpm(2M) 80G...49
8 0/1 6 0 / 2 5 0 G...54/64/75
320/400G/500G/750G...90/129/159/235
SATA II 80/160/250...54/64/75
SATA II 320/400G/500/750G...90/119/145/289
WD RAPTOR 10k rpm SATA 36/74/150G...139/179/265

Notebook Parts
144Pin SDRAM 128/256/512MB...35/46/99
256/512/1.0G 200pin DDR333...35/49/105
512/1.0G DDR2...35/49
2.5" HD 40/80/120/160G...58/69/86/129
80/100G 7200RPM...5106/129
80/120/160G SATA...70/86/129
PCMCIA to USB2.0/IEEE1394/TV Tuner...18/20/59

Monitors
17" FlatCRT 19"/25" DigitalFlat...\$99/135
LG L1752TX/194WTX...189/209
Samsung 205B/W/226B/W(2ms)...279/389
Samsung LCD701N/913B/W/940NW...179/239/209
Acer AL1916WAB/AL2216/AT4220A...189/295/1425
ViewSonic LCD VG2021M/N2751...259/598
ViewSonic LCD VA1903WB/VX2235WM...219/399

Cases, Misc, Adaptors
Power supply AT/ATX300W/400W...25/24/37
18" P4 Case USB front 350w/400w...29/39
Antec Sonata II Ultra Quiet Case 450w/ps/Aria(SFF Case)...119/139
Antec P180B/P160W(no ps)...\$149/138
Zalman 7000AC/7700CPU Ultra Quiet CPU Fan...32/42
Vantec Case Light Tube / UV Light Tube...14/19
CoolerMaster 600W Silent Pure Power Supply...89
Antec, Cooler Master, Foxconn, Thermaltake Case...Call
1.44M Floppy Drive/IDE to SATA adaptor...12/25
Removable hard drive rack ATA133/SATA w/fan...19/25
Secondary Case Fan/Slots/HD Fan...11/15/15
AMD/P4 CPU Fan/2.0 HUB 4 Port...19/35/19
Switch Box for 2/4 Printers...15/29
KVM Switch hot key 2/4 port w/Cable...20/29
PCI Printer Card/Notebook power adaptor...25/55
PCI ATA133/SATA Hard Drive Controller...29/29
1394/USB2 & 1394 Combo Adaptor for PCMCIA...20/29
USB Floppy/USB Adaptor for PCMCIA...29/18
PCI USB2.0 Card/1394Firewire w/Cable...12/16
HDMI to HDMI/HDMI to DVI/DVI to DVI Cable...16/16/16
All adaptors, cables...Call

Memory
PC-133 SDRAM 128/256(8chips)/512M...\$29/39/67
DDR 256/512M/1G...24/35/69
DDR2 512M/1G...24/39
RAMBUS 800MHz 128/256M...64/114
Compact Flash 1/2/4/8G...19/29/59/108
Secure Digital (SD) 1.0/2.0/4.0G(150x)...18/25/49
USB 2.0 Flash Drive 2/4/8G...24/44/88
Memory stick Pro Duo 1.0/2.0/4.0G...34/49/89
Micro-SD 1/2G...18/32
Mini SD, XD, smart media, Etc...Call

Motherboards
Socket 478/Socket 462...\$69/59
ASUS P5L-MX/P5VD2-MX...95/65
ASUS P5WDH-Deluxe/P5N-SLI...235/119
ASUS P5B - E / V / M...155/129
ASUS M2A-VM/HDMI...78/98
ASUS M2N-SLI-D/M2N...159/105
ASUS A8V-VM/K8V-MX...69/59
MSI, Gigabyte, ECS Motherboards...Call

Keyboards & Mice
PS/2 KB/Wheel Mouse...7/7
MS/LG Internet keyboard / Natural...18/14/49
Logitech Cordless Keyboard & Optical Mouse/MS...29/39
MS/Logitech Optical Mouse...16/14
Logitech Cordless MX5000/diNOVO KB&Mouse...135/179
Logitech G7 Laser/G5Gamer Mouse/G15 KB...79/45/85

Modems/Networking
56K Voice V90 PCI/Hardware...9/39
Ethernet 10/100/3Com/Intel...13/44/44
D-Link 5/8port Gigabit switch...59/79
D-Link DSS-8/16/24 Switch...39/89/129
D-Link Wireless 54MB PC/PCMCIA...49/49
D-Link DI-604/524P 4 Port Router...39/59
Linksys Wireless G Router WRT54GR...66
USB Wireless G Adaptor...24
Network Cable Assembly 15/30/50ft...5/9/13

Printers & Multi-Function
HP Laser 1020/P2015/2420...119/375/581
HP Color 2600N/3052...419/429
Canon 1300/5300/MP160/MP510...45/199/89/199
Epson Inkjet C88/R260/CX3810...99/119/79
Brother Laser HL-2040/Canon MF2340(Multi)...59/248

Video Cards
ATI Radeon 128M 9250PCI/9200...69/36
ATI Radeon X1550/X1650Pro 512M AGP...109/149
nVidia 7600GS/6200 256M AGP...145/69
nVidia 7300GT/8500GT/ 256M PCI Express...79/115
nVidia 8800GTS 320M/640M PCI-EX...345/445
nVidia 8800GT 256M/8800GTX 768M PCI-EX...155/619
ATI Radeon X1650XT/X1650Pro w/HDMI 256M PCI-E...128/159
ATI Radeon X1950GT/X1950XT 512M...195/299
ATI Radeon HD2900XT 512M/640M PCI-E...465/119
ATI Fire-GL V3100/3400128M PCI Express...209/329
MSI/ASUS TV Tuner Capture Card/USB External...49/48/69
WEB Cam/Logitech web-cam...16/29

Sound Cards & Speakers
5.1 PCI Sound Card/SB Audigy 24bit(7.1)...14/29
SB X-Fi Xtreme/Gamer...55/199
External 5.1 USB2/ X-Fi Fatality...59/199
Speakers 160W/600W...71/5/28
Logitech X230/X540(5.1)/Z5500e(THX5.1)...48/87/135
Creative P7800T/1Gigawatts S750(7.1 THX)...95/479
Altec Lansing 2321(2.1)/V3251(5.1 w/remote)...45/69
CD/DVD-ROM & CD/DVD Writer
LG SX2 CD-RW/16X DVD-ROM...524/24
SATA DVD-RW/LG 18x DVD-RW/lightscribe...45/42
Pioneer DVD 16X DVD-R/RW/Dual Layer...39/5
LG 18x DVD +/- RW/Dual Layer...35/9
Blank CD Writable(50)/Rewritable...125/1/5
Blank 16x DVD +/- R/Printable(25pieces)...9.59/11.99

Modems/Networking
56K Voice V90 PCI/Hardware...9/39
Ethernet 10/100/3Com/Intel...13/44/44
D-Link 5/8port Gigabit switch...59/79
D-Link DSS-8/16/24 Switch...39/89/129
D-Link Wireless 54MB PC/PCMCIA...49/49
D-Link DI-604/524P 4 Port Router...39/59
Linksys Wireless G Router WRT54GR...66
USB Wireless G Adaptor...24
Network Cable Assembly 15/30/50ft...5/9/13

Printers & Multi-Function
HP Laser 1020/P2015/2420...119/375/581
HP Color 2600N/3052...419/429
Canon 1300/5300/MP160/MP510...45/199/89/199
Epson Inkjet C88/R260/CX3810...99/119/79
Brother Laser HL-2040/Canon MF2340(Multi)...59/248

Upgrade Special
(Free installation)
AMD(Socket 754) 2.6G, ECS MB /
w/8xAGP/64MB 3D Video / 3D sound / Lan / USB2.0
\$95

Special For Toshiba, Acer, ASUS, LG, Fujitsu-Call

ACER AS5630 Core 2 Duo 1.66G/2.0G/160G HD/DVD-RW/15.4"/BT/WebCam/Home-pre...\$1239
ACER AS9300 1.6Gx2/1.0G/160G HD/DVD-RW/17" WXGA/802G/Vista-Pre...\$959
Acer AS5610 1.6/160G HD/1.0G/ DVD+-RW /15.4"/802G/Vista-Pre...\$845
Core 2 Duo ASUS ABIR T5500/1.0G /120G HD/ DVD+-RW /14"W-Screen/802G/Web-Cam/Cardreader/Vista-P...\$1259
ASUS G1 Core 2 Duo T7200 2M/2.0G/160G HD/7700 512M DVD-RW/15.4"/Web-Cam/Cardreader/Vista-Pre...\$1869
Toshiba Satellite Pro A100/Celeron 1.73G/16MB/80GB/15.4"/DVD-RW/wireless/Vista-Busi...\$819
Toshiba Satellite P100-MA1 T2250 1G/120G HD/17" WXGA/DVD-RW/802G/Vista-P...\$1175
Toshiba Satellite A100-VA9 T5500 1.66G/2.0G/200G HD/7600/15.4" WXGA/DVD-RW/802G/Vista-P...\$1579

Handheld PDAs/Cameras/MP3/GPS Units

Palm Tungsten E2 / T/X HNDH WIFI Bluetooth...\$215/315
ASUS MyPal A636N W/GPS / HP IPAQ 6950 w/GPS...\$29/589
Canon A460(4M)/A540(7M)/ZR800...\$175/229/339
Sony DSC-W35(7M)/W80 (7M)/T10 (7M)...\$219/295/389
Palm GPS Navigator/MS GPS w/Map...229/139
Holux GPSLM236(Bluetooth)/2130(USB)/GPS...\$89/59
PhotoBank/Multimedia box...\$55/55
1G MP3/2G MP4/Creative /Zen Vision M 30G/60G...\$45/75/275/325
Bluetooth to USB adaptor/lpod MP3...9.5/Call

TV on PC

VideoMate V550 delivers high-res TV

Watching TV on your PC monitor is old hat, but product developers continue to tweak features to keep the category interesting. Compro Technology is a relative newcomer to the Canadian market and with its VideoMate V550 TV tuner box faces established players like ATI, AverMedia, Hauppauge, Pinnacle and others.

Compared to ATI's TV Wonder USB 2.0, which is my current PCTV tuner of choice, the VideoMate is a one-trick pony whose main function is to take video signals from a number of sources and display them on a computer monitor. There are no equivalents to ATI's Guide Plus+ online TV schedule, neither are there features that would allow you to use the PC's hard drive as a PVR. That's not necessarily a negative, because some people just want a simple way to watch TV and other kinds of video on their PC. The V550 delivers on that front, being essentially plug and play. There are no drivers or software to load onto the computer – all the features and functions are encoded in the V550 firmware.

The V550 is an external unit that comes in two parts. The base holds video source input connectors – component on one side and composite plus S-Video on the other. Into the base fits the main module (roughly the size of a paperback novel), which holds mostly PC connections: VGA in and out, audio line in and line out and a coax connector for cable or a TV antenna. There is a circular four-way switch that controls channel selection and volume, plus a menu button in the middle. Included in the package are a

wireless remote unit, AC adapter and a couple of cables (VGA extension cable, coax extender and 1/8-inch stereo cable). The two piece design means that if you just want to use it as a TV tuner, you can dispense with the bottom module because the vertical module works fine on its own – it even comes with a finishing plate to cover the connector.

Hooking up the box is very straightforward. After plugging in the AC adapter, I merely connected the VGA cable coming from the computer into the V550's VGA-in connector and used the included VGA cable to complete the connection from the box's VGA-out connector back to the monitor. When the unit is put into standby mode, it acts as a pass-through, so you can still get your normal computer display. However, you still must provide power to the unit – pulling out the AC adapter cable has the same effect as disconnecting your VGA cable – the computer screen goes blank.

An onscreen menu pops onto the screen with the touch of the menu button. Here you can adjust various setting such as resolution, input source and a variety of other image parameters. A power switch on top of the unit also serves as a way to page through the various input source modes.

However, you'll want to use the remote unit. It's easier to access the OSD choices that way, plus it gives you access to some of the niftier features of the V550. A TV/PC button lets you toggle between your PC desktop and a TV signal. Picture in Picture allows you to view TV within a window of your PC workspace. You can size the TV window to three separate dimensions, the largest being about quarter-screen. Then there's the channel surf button, which puts consecutive channels into nine little windows that fill the screen. It plays about a second of the program before moving to the next, and when the ninth frame is filled it goes back to the topmost frame and starts displaying the next nine channels.

One of the distinguishing features of the V550 is its high-resolution output – up to 1600 x 1200. It will also support other 4:3 monitor resolutions down to 640 x 480, plus HDTV 16:9 (1280x720) and a couple of other formats. Compro says the V550 includes built-in noise reduction and other technologies to improve video quality, and it does a fine job on most signals. Professionally-produced VHS videos look quite good, as do old homemade VHS tapes. You wouldn't mistake this for DVD quality, but considering the source, it's quite acceptable.

Cable TV looks very good through the V550, not unlike watching standard TV on a high definition TV set. Even though it's not an HD signal, you can easily spot differences in production values. For example, the difference in picture clarity between a current season TV episode and a rerun from a decade ago is obvious. Big budget TV ads look particularly good.

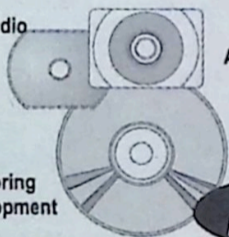
Overall, the V550 is a simple analogue plug and play product that delivers a quality TV picture (or video from other sources) to your PC monitor.

By David Tanaka

CD / DVD PRODUCTION SOLUTIONS

Business card CD
Mini / Shape CD
Standard CD ROM / Audio
CDR DVD-R Copiers
CDR DVD-R Printers
Media Supplies
Packaging Supplies

CD / DVD Duplication / Replication
CDR / DVD-R Printing
Offset / Digital Printing
Assembling & Packaging
Fulfillment
Tape to DVD conversion
(8mm movie/ mini DV/ VHS)



Also available:

DVD / CDRom Authoring
Marketing CD development
Video Production
Multimedia / Graphics Design

**Quality Service
Fast Turnaround**

Visit our web site for references and client list

www.progressmarketing.com

QUALITY CD/DVD MEDIA & ACCESSORIES

CD/DVD media	CD jewel cases / paper sleeves
Label kit	DVD boxes (holds 1,2,3,4,6,8,9,10)
Label supplies	Clamshells

For pricing please visit : www.progressmarketing.com/price.htm



PROGRESS Marketing Inc
www.progressmarketing.com

#110 - 12811 Clarke Place, Richmond, BC V6V 2H9
Tel: (604) 821-0066 (800) 818-6944
Email: info@progressmarketing.com
Hours: Mon-Fri 9 am - 5 pm

1^{Since} 3
Years of Excellence

Direct sales line:

Richard: 778-371-1290 Email: rpearce@progressmarketing.com

WWW.PROGRESSMARKETING.COM

The Global Leading Brand of DRAM
Memory and Flash Related Products

A-DATA
威剛科技

www.adata.com.tw

For Sales Enquiries,
please call:

778-855-7787

MEMORY MODULES

The **HIGHEST** Performance Products on the Market:

DDR3



(512MB, 1GB, 2GB Available)

DDR 2 1200+

Highest-Speed Memory Module!



(1GB, 2GB Available)

FLASH DRIVES

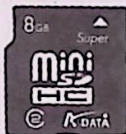
150X SD 2GB



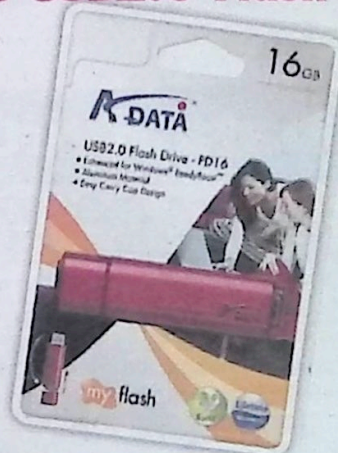
266X CF 16GB



miniSDHC 8GB



16GB USB2.0 Flash Drive



80X miniSD 2GB



200X MMCplus 2GB



SDHC 8GB

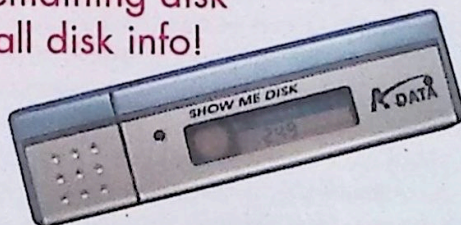


Super microSD 2GB



SHOW ME DISK

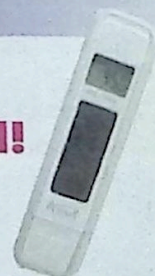
Displays the remaining disk
capacity and all disk info!



SOLAR DISK



**Solar
Powered!**



DISNEY SERIES



A-DATA

Continuous Innovation



Lifetime
Warranty

Canon PIXMA Printers

Options for everyone

Canon is one of few companies known just as well for its printers as its cameras. They started the inkjet printer market with the development of the Bubble Jet and were the first to offer direct printing from camera to printer with their Direct Print Mode.

The PIXMA line is Canon's new global brand for inkjets and all-in-ones, and is significant for its FINE (Full-photographic Inkjet Nozzle Engineering) print heads. These print heads allow for faster printing at a higher quality due to the greater number of ink nozzles and the ability to produce microscopic ink droplets (one, two or five picolitres). All PIXMA models use FINE technology.



Another feature to pay attention to when it comes to Canon printers is the ChromaLife100 system. Using ChromaLife100 paper and the new dye ink, your prints can last up to 100 years when stored in an archival-quality album. If you tend to frame your prints under glass, expect them to last about 30 years before fading. Those same photos can also last up to 10 years if displayed underneath simple magnets on your fridge. While the technology is designed to keep prints from fading in these real-world conditions, keep in mind that factors such as temperature and humidity still have an additional effect.

Both Direct Print and PictBridge are designed to bypass your computer and allow you to print directly from your camera by connecting it with a cable to your printer. The difference between the two is that Direct Print was developed by Canon before PictBridge was introduced (and remains specific to Canon products), whereas PictBridge is a worldwide standard shared by Canon, Fuji, HP, Olympus, Seiko/Epson and Sony. All PictBridge-supported Canon printers are backwards-compatible for Direct Print Canon devices.

Printing, scanning, and copying MP600

If you're looking for an all-in-one device, the MP600 (\$269.99) is packed with options. This bubble-jet printer is equipped with 3584 nozzles and produces one-picolitre droplets for precise photo printing as well as laser-quality text. You will get 30 ppm in black with 600 x 600 dpi and 24 ppm in colour with 9600 x 2400 dpi. Memory card slots are provided for commonly used CF, SD and Memory Stick formats. PictBridge is supported and wireless options include infrared for printing from your cell phone camera as well as Bluetooth (with a USB Bluetooth adapter, sold separately). The scanner will scan documents up to 8.5 x 11.7 inches at 2400 x 4800 dpi (which should allow you to enlarge your scans up to eight times the original). "Smart" copying will automatically optimize the copy quality based on your original. You can even use it for making copies of existing photographs, with results true to the original. The 2.5-inch high definition TFT display and easy control wheel (which resembles an MP3 player dial) make the operation of this model easy on your eyes and hands.

CD/DVD printing iP4300

Three models (the iP4300, iP5300 and iP6700) allow you to create professional-looking CDs and DVDs, and range in price from about \$150 to \$300 (for the six-ink model). Apart from printing directly on CD and DVD discs, the entry-level iP4300 (\$149.99) will print borderless photos (from wallets to letter size) as well as laser-quality text. A five-colour ink system holds four dye-based inks and one pigment-based black ink. Similar to the MP600, this model also features 3584 nozzles, one picolitre-sized droplets, and will print 30 ppm in black and 24 ppm in colour at a maximum 600 x 600 dpi and 9600 x 2400 dpi, respectively. Connectivity is via USB 2.0 or the Direct Print Port. An added convenience is automatic double-sided printing, which means you don't have to manually reinsert your pages the second time around (this also helps you create nice-looking photo album pages). Two paper trays (one for regular paper and one for photo paper) are another easy-to-use bonus.



3J Data Recovery

Tel: 604-323-9859

HARD DRIVE DATA RECOVERY

Supporting IDE, SCSI, USB, ZIP Interface & RAID array hard drive

OS:

Windows,
Mac,
Linux, Unix,
Network

OTHER MEDIA DATA RECOVERY

Supporting portable hard disc, mo, USB storage,
CD, floppy disc, tape, different digital cameras
and their digital cards

DOCUMENT RECOVERY

Office series of Word, Excel, Access...
SQL database document,
Oracle database document...
Image recovery and video repairing...

PASSWORD DECODING

File Password
Operating System Password
Hard Drive Password

ERASE DATA BEYOND RECOVERY

To Protect your Confidential and Private Information

Maxtor Month Special

\$50 off

redeem this coupon on
your Maxtor data recovery
service at 3J Data Recovery
and receive \$50 discount

Limit one coupon per customer
Coupon expires June 30, 2007

www.3JDataRecovery.com

a division of 3J Technology International (Canada), Inc.

Business Hours: Mon ~ Fri 10am ~ 6pm
Sat 1pm ~ 5pm

5307 Victoria Drive
Vancouver, BC, V5P 3V6
Tel: 604-323-9859 Toll-free: 1-877-323-9815
email: ijj@intergate.ca



VASTECH

3967 Main Street. Van, BC V5V 3P3 TEL: 604-872-4245
TEL: 604-872-4215
Mon - Fri: 10:30AM-7:00PM / Saturday & Sunday: 11:00AM-6:00PM / Holiday: Closed

Windows Vista OEM Software Purchase With system only: Office
Vista Home Basic / Premium (32bit) / (64bit) ---\$100 / \$130 / \$110 / \$140
Vista Business / Ultimate (32bit) / (64bit) ---\$150 / \$225 / \$160 / \$235
Win XP Home / Pro / 64bit / Media Centre Edition ---\$100 / \$155 / \$170 / \$145
03 Server (STD / SBE) w/ Server + User ---\$789 / \$168 / \$495 / \$465
Office 2003 Basic / SBE / Pro ---\$199 / \$275 / \$355
Office 2007 Basic / SBE / Pro (NO CD) ---\$188 / \$255 / \$345
Kaspersky Anti-Virus / Internet Security ---\$25 / \$35
Norton 07 Anti-Virus / Internet Security ---\$20 / \$30
McAfee 07 Anti-Virus / Internet Security ---\$10 / \$20

Best Buy #1 : Intel SLI Gamer---\$969



ACER AL1916WAB 19" LCD, 1440 x 900 / 700:1 / 5ms
Intel Core 2 Duo (E6320) 1.83G 1066FSB 4M L2 Processor
ECS NFORCE 570 SLIT-A (SLI Ready)
2 GB DDR-II 667 RAM / 18x DVD-RW w/ software
Nvidia 7600GS 256MB DDR2 With TV-OUT & DVI
Nvidia 7600GS 256MB DDR2 With TV-OUT & DVI
S-ATA-II 320G (16M) HDD / ATX 420W Tower Case

Best Buy #2 : AM2 Silent System---\$699



ACER AL1916WAB 19" LCD, 1440 x 900 / 700:1 / 5ms
AMD AM2 Dual Core 3600+ 2000FSB Processor
ASUS M2A-VM HDMI : Supports HDMI Technology with
HDCP / 1920 x 1080 / S-ATA-II / Audio / LAN / IEEE1394
2 GB DDR-II 667RAM / 18x DVD-RW w/ software
S-ATA-II 320G (16M) HDD / Oen PCI-Ex Open Slot
Antec Sonata-II Plano Black Quiet Tower 450W PS

Intel Quad-Core Q6600 ----\$1688



Intel Core 2 Quad Q6600 2.4G
1066FSB 8M L2 Cache
ASUS P5B S-ATA-II / PCI-Express
ASUS EN8800GTS 640MB DDR3 256bit
with Dual DVI-I (HDCP) & TV-OUT PCI-Express
2GB DDR-II 800 (PC6400) Mhz RAM
S-ATA-II 500GB 7200rpm (16M) HDD
LG 18x DVD-RW with Burning software
Z01 Gamer Case with Front USB & Audio
ATX 680W 12CM LED FAN & 8CM

Core2Duo E6600 + Nvidia SLI---\$1329

2 x AMD 64 FX-72 (Quad-Core)---\$1777



AMD Athlon 64 FX-72 Processor
2.8Ghz / 2 x 1M L2 Cache / Socket 1027
AMD Athlon 64 FX-72 Processor
2.8Ghz / 2 x 1M L2 Cache / Socket 1027
ASUS L1N64-SLI Ws EATX 2X SOCKET 1027 FX
ASUS EN8800GTS 256MB DDR3 256bit
with Dual DVI-I (HDCP) & TV-OUT PCI-Express
2GB DDR-II 800 (PC6400) Mhz RAM
S-ATA-II 500GB 7200rpm (16M) HDD
LG 18x DVD-RW with Burning software
Z01 Gamer Case with Front USB & Audio
ATX 600W 12CM LED FAN & 8CM

Check Our Web Site for more savings....www.vastechcomputer.com

\$838.99	\$898.99	\$1038.99	\$968.99	\$13.99	\$27.99	\$127.99	\$187.99	\$98.99	\$64.99
\$968.99	\$1278.99	\$1478.99	\$1738.99	\$19.99	\$45.99	\$129.99	\$83.99	\$7.99	\$44.99
\$1048.99	\$1668.99	\$1999.99	\$3039.99	\$49.99	\$26.99	\$24.99	\$183.99	\$345.99	\$99.99

AMD Value

AM2 Sampron 3000+---\$249
Dual Core (AM2) 3600+---\$299
Dual Core (AM2) 3800+---\$309
PC Chips A33G AM2 PCI-Express
512 M DDR-II 667 (PC5300) RAM
S-ATA 80GB (8M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
ONE PCI-Express Open Slot
USB2.0 / Integrated 10/100 LAN & Audio
350W Tower Case w/ 2x USB
Keyboard + Wheel Mouse
Multimedia Speakers

AM2 Power

AM2 Sampron 3500+---\$329
Dual Core (AM2) 3600+---\$379
Dual Core (AM2) 3800+---\$389
FOXCONN MCP61VM2MA-RS2H
1 GB DDR-II 667 (PC5300) RAM
S-ATA-II 160GB (8M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
ONE PCI-Express Open Slot
USB2.0 / Integrated 10/100 LAN & Audio
400W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Multimedia Speakers

AM2 PRO

Dual Core (AM2) 3800+---\$499
Dual Core (AM2) 4200+---\$529
Dual Core (AM2) 4600+---\$549
Asus M2V-MX AM2 PCI-Express
2 GB DDR-II 667 (PC5300) RAM
S-ATA-II 250GB (8M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
Asus EAX550 256M DDR TV-OUT & DVI
USB2.0 / Integrated 10/100 LAN & Audio
400W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Multimedia Speakers

AM2 Gamer

Dual Core (AM2) 4200+---\$679
Dual Core (AM2) 4600+---\$699
Dual Core (AM2) 5200+---\$759
ASUS M2N S-ATA-II / PCI-E
2 GB DDR-II 667 (PC5300) RAM
S-ATA-II 320GB (16M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
Nvidia EN7600GT 256MB DDR3 PCI-Exp
USB2.0 / Integrated Gigabit LAN & Audio
420W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Edifier M1300 2.1 Speakers

CrossFire Premium

Dual Core (AM2) 4600+---\$1069
Dual Core (AM2) 5200+---\$1129
Dual Core (AM2) 6000+---\$1259
ASUS M2A-MVP S-ATA-II / PCI-E
2 GB DDR-II 800 (PC6400) RAM
S-ATA-II 400GB 7200rpm (16M) HDD
LG DVD-RW 18X +/- Dual Layer
Asus EAX1950Pro (CF) 256M DDR3 PCI-Exp
ASUS EAX1950Pro 256M DDR3 PCI-Exp
USB2.0 / Integrated Gigabit LAN & Audio
680W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Edifier M1300 2.1 Speakers

Intel Value

Celeron (331) 2.66G---\$269
Dual Core 925 3.00G---\$339
Core 2 Duo (E6320)---\$429
ECS P4M900T-M SE DDR-II PCI-Ex
512 M DDR-II 667 (PC5300) RAM
S-ATA 80GB (8M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
ONE PCI-Express Open Slot
USB2.0 / Integrated 10/100 LAN & Audio
350W Tower Case w/ 2x USB
Keyboard + Wheel Mouse
Multimedia Speakers

Intel Power

Celeron (331) 2.66G---\$329
Dual Core 925 3.00G---\$399
Core 2 Duo (E6320)---\$489
Asus P5VD2-MX SE DDR-II PCI-Ex
1 GB DDR-II 667 (PC5300) RAM
S-ATA-II 160GB (8M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
ONE PCI-Express Open Slot
USB2.0 / Integrated 10/100 LAN & Audio
400W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Multimedia Speakers

Intel PRO

Dual Core 925 3.00G---\$529
Core 2 Duo (E6320)---\$619
Core 2 Duo (E6420)---\$639
Asus P5VD2-X DDR-II PCI-Ex
2 GB DDR-II 667 (PC5300) RAM
S-ATA-II 250GB (8M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
Asus EAX550 256M DDR TV-OUT & DVI
USB2.0 / Integrated 10/100 LAN & Audio
400W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Multimedia Speakers

Intel Gamer

Core 2 Duo (E6320)---\$759
Core 2 Duo (E6420)---\$779
Core 2 Duo (E6600)---\$819
Asus P5PLD2 S-ATA-II PCI-E
2 GB DDR-II 667 (PC5300) RAM
S-ATA 320GB (16M) 7200rpm HDD
LG DVD-RW 18X +/- Dual Layer
Nvidia EN7600GT 256MB DDR3 PCI-Exp
USB2.0 / Integrated Gigabit LAN & Audio
420W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Edifier M1300 2.1 Speakers

SLI Premium

Core 2 Duo (E6420)---\$1119
Core 2 Duo (E6600)---\$1159
Core 2 Quad (Q6600)---\$1519
ASUS P5N-E SLI S-ATA-II MB
2 GB DDR-II 800 (PC6400) RAM
S-ATA-II 400GB 7200rpm (16M) HDD
LG DVD-RW 18X +/- Dual Layer
Nvidia EN8800GT 256MB DDR3 PCI-Exp
Nvidia EN8800GT 256MB DDR3 PCI-Exp
USB2.0 / Integrated Gigabit LAN & Audio
680W Tower Case w/ 2x USB
Logitech Keyboard + Optical Mouse
Edifier M1300 2.1 Speakers

All system have a 3 year labor & 1 year parts limited warranty. Price & availability are subject to change without notice. All trademarks & brands are properties of their owners. All advertised prices reflect 3% cash or Interac discount. We reserve the right to correct typographical errors.



Compact and Mobile iP90v

The iP90v (\$375) weighs in at four pounds and measures 12.3 x 2.1 x 6.9 inches (w x h x d). There are a couple options for dispensing with the power cord. One is a Lithium Ion battery, which will give you approximately 450 pages on a two-hour charge. This add-on costs \$140, or \$200 if you also want a charging cradle. The second is an auto power unit (\$130) that runs your printer through your car's power socket. As far as connections go, there is a PictBridge port for supported cameras. Wireless printing from a computer or cell phone is available via either the built-in IrDA (infrared) port or an optional Bluetooth Unit (\$99). The printer comes equipped with 1088 nozzles and the droplet size is two picolitres. Comparable to the MP600 and IP4300, you will get 600 x 600 dpi resolution in black. However, the colour resolution is less at 4800 x 1200 dpi. Print speed is also lower at 16 ppm in black and 12 ppm in colour. Canon printers are compatible with both Macs and PCs; this model is also fully compatible with Vista. There are occasions when you run out of black ink and don't have time to run to the store

and pick up that cartridge, resulting in pages of magenta text that don't read so well on paper as they did on your screen. The iP90v takes this into consideration with its composite black mode, which combines your remaining cyan, magenta, and yellow inks into a temporary black.

Budget-conscious iP1800

If you don't need portable or wireless options, the iP1800 (\$90) offers the same print resolution as the iP90v (600 x 600 dpi for black and 4800 x 1200 dpi for colour) at a much lower price. You'll also get faster printing speeds (20 ppm black, 16 ppm colour) and more nozzles (1472) in the print head, with two-picolitre colour ink droplets. Cartridges are relatively inexpensive too, at \$28 for black and \$35 for colour. This model comes with your standard USB interface and provides borderless prints from wallets to letter size. It's compatible with the latest Microsoft Vista and Mac operating systems. The iP1800 uses two FINE cartridges: one pigment black ink and one tri-colour ink cartridge.

By Jennifer Kavur

Find a local digital camera store in the
hubcanada.com Merchant Directory.

hubcanada.com

Sim Star
Mobile

WE PROVIDE CELL PHONE REPAIR & UNLOCK SERVICE

www.simstarmobile.com



LG Prada



Sony Ericsson K810



Motorola L9



Eten M700



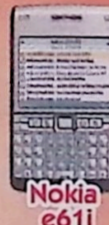
Eten X500



Nokia N95



Nokia 5700



Nokia e61i



Nokia E65



Cingular 8525



Samsung U600



Sony Ericsson W880



Nokia 8800 Sirocco Gold



Samsung F300



UB501



HTC 4350



HTC P3300

VANCOUVER AREA:

Richmond Empire Ctr.
1455-4540 No. 3 Rd.
(604) 276-9088

Richmond Aberdeen Ctr.
2280-4151 Hazelbridge Wy
(604) 276-8669

Burnaby Crystal Mall
1212-4500 Kingsway
(604) 436-9003

USA:

Simstar Telecom
103-425 W. Valley Blvd.
San Gabriel CA 91776

TORONTO AREA:

Pacific Mall
4300 Steeles Ave. E.#E75
(905) 470-7125

Markham Pacific Mall
4300 Steeles Ave. E.#A51
(905) 948-9611

NU WDR 700 DVD PLAYER



\$269.99

anti-scratch
Mirror
cover
advanced
slot-in
loading
design
ir remote
controller

NU PDP 100 DVD PLAYER



\$129.99

• 7 inch LCD
• Built-in
card
reader:
supports SD,
MMC &
Memory Stick
Audio transfer
to car
stereo

WinTV HVR 950 does over the air digital TV

TV tuners for your computer have been around for years and their enduring appeal is that they let you watch TV and compute on the same screen. As the TV industry moves to digital and high-definition, TV tuners need to go there too. One such forward-looking product is the WinTV-HVR 950 Hybrid TV Stick from Hauppauge. The device will receive over-the-air high-definition digital TV (up to 1080i), as well as analogue TV and analogue cable. It can also serve as an analogue or digital personal video recorder (using a hard drive).

In Canada today, there are a few ways to get digital TV: through a cable service, a satellite service, or over the airwaves using an antenna, just like in the dark ages of pre-cable TV. Over-the-air digital reception is available

only in the larger centres, but it's free so you can receive signals without paying a subscriber fee. You do need a compatible tuner, however, such as the HVR 950 TV Stick. The stick moniker comes from the fact that it looks like a memory stick (but somewhat bigger) and plugs into a USB 2.0 slot (Windows only). At the opposite end of the USB connector is a coax cable connector that you can hook up to a cable TV feed or a terrestrial antenna. It will receive digital (ATSC) or analog (NTSC) TV over the air, or receive standard (not digital) cable. The HVR 950 includes a stubby antenna that Hauppauge says will pick up a broadcast signal from up to 10 miles away, but recommends an external high-gain roof antenna for the best reception.

One of Hauppauge's target users for this product is the notebook-toting traveller (pick up digital TV from your hotel is the pitch). The tiny dimensions of this featherweight unit make it an unobtrusive accessory, and while there is a connector for an AC power adapter, you don't need to carry one around because the unit works fine from a computer's powered USB port.

In addition to the TV player, the device comes with a set up utility panel. One of its functions is a scanner, which takes a few minutes to scan all the analogue, then digital channels to see which ones carry programming. Once the available channels have been logged, you can channel surf, or create a schedule to watch or record a program (in MPEG-2 format).

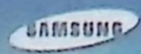
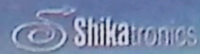
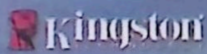
This is a handy, portable tuner you can use today for regular cable TV or tomorrow when over-the-air digital comes to your neighbourhood.

By David Tanaka



MEMORYDEPOT.COM Your Memory Experts

The biggest selection of memory products in Canada



We provide memory for:



PC



Laptop



Macintosh



Digital Camera



Printer



Cellular Phone



Server



PDA

Lifetime Warranty on all Computer Memory

FREE Shipping anywhere in Canada*

HOT DEALS

1GB

Laptop DDR2
667MHz

84.50\$

2GB

Biometric USB
Flash drive

68.50\$

Need help finding the memory you need?
Visit our website or we will find it for you

Accepting:



memorydepot.com

* Please enter "HUB" on your promotion code
to get your free delivery. On selected products only.

Kyocera Bluetooth stereo headset

Almost seamless

I'm all for fewer wires, so when Kyocera offered to loan me its latest Bluetooth stereo headset for a few weeks, I jumped at the chance.

Despite its ungainly name "Wireless Stereo Headset with Pendant Controller," this US\$99 product is an attractive modular design: the Bluetooth unit is separate from the headphones, which has definite advantages. It means you can use any headphone set you want to – you just need a standard 1/8-inch mini plug at the end. Many Bluetooth sets are dorky looking affairs that hang over your ear – like hearing aids from 1970s – but with the Kyocera unit you have complete flexibility in the size and shape of the ear adornments you want to wear. The Kyocera package includes small earbuds, and they actually produce quite decent sound.

The main unit – the pendant – is a small (roughly 2.5 x 6.5 x 1 cm) lozenge-shaped device that holds the Bluetooth receiver and controls. A stubby joystick controls audio functions like volume and song selection as well as phone functions like answer, redial, hold, etc.. It's also used to set up pairing

with another Bluetooth device, plus it's an off-on switch as well. A mini-USB jack serves as the way to recharge the internal battery. The unit contains a microphone, an eighth-inch stereo jack and a side-mounted hold switch. On the back is a

belt/lapel clip.

With four current Bluetooth devices on hand, I was looking forward to a little mix n match wireless relaxation with them and the Kyocera headset. But much to my consternation, I'm only batting one-for-four – ok, maybe one and a half.

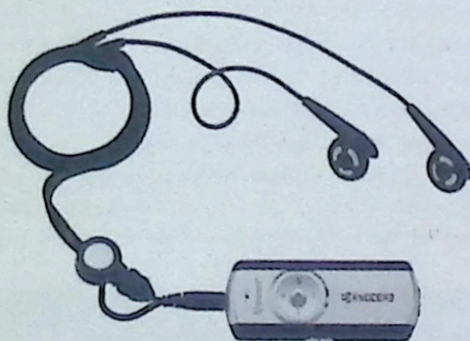
So, what happened? A2DP happened, that's what. A2DP stands for Advanced Audio Distribution Profile, a set of Bluetooth protocols and procedures to deliver high-quality mono and stereo audio. If manufacturers include A2DP in their Bluetooth enabled phone, PDA or computer, you'll be able to listen to stereo music wirelessly over headsets like the Kyocera. Without A2DP, stereo over Bluetooth ain't gonna happen.

First, let's talk about the home run. Paired with a Sony Ericsson K790a smartphone, the Kyocera unit worked exactly as expected. The Bluetooth handshake between phone and stereo headset was straightforward and uneventful, and afterward all of the control functions built into the Kyocera unit worked.

The "half" was earned by my Blackberry Pearl. The Kyocera unit works with it, but only as a hands-free mono headset for the phone. It would not work with the Pearl's MP3 player, producing nary a peep, neither mono nor stereo.

The Pharos GPS 525 identifies itself as an HTC GALA100, powered by a 300 MHz Samsung processor and running Microsoft Windows Mobile 5.1. It's a portable GPS unit but it's also a Windows PDA, which means it has the usual Microsoft applications including a media player – and it's Bluetooth enabled.

Trying to get the Kyocera unit to work with the Windows PDA was particularly frustrating because the discovery and handshake stages happened without incident. Once completed, the headset is listed as a legitimate partnered device. The trouble is, it's as though the device doesn't exist as far



www.DataRecoveryPro.com

Retrieve Data From Crashed Drive

Data Recovery for data Loss caused by fires, water, power surges, partition, format, corruption. From : LapTops, DeskTops, Removables, SAN/NAS, Raid, DVD, CD, Tape, Zip, Floppy. OS : Windows, Mac, Linux, Unix



Forensic service

Tel: (604) **608-6178**

Toll Free: 1-888-688-5588
Info@datarecoverypro.com

Suite 1000- 355 Burrard St Vancouver
BC. V6C 2G8 (Marine Building, Downtown)

1stDataRecovery.com

Dead Drive Cleanroom Service \$500⁰⁰

From dead, deleted, formatted, fdisked, corrupted, virus infected, passworded, CD, water & fire damaged, overwritten, inaccessible devices: hard drive, raid, zip, DVD, Removable, optical, flash memory, tape, audio / digital image files ...

Forensic service

16 Years of Quality Service

Windows / Mac / Unix / NetWare

Data back in as little as 24 hrs.

(604) 681-3770 Toll Free: 1-877-460-3670

Business hours: M-F: 9:30am-5pm



1050 W. Pender St. Suite 745, Vancouver, BC V6E 3S7
info@1stDataRecovery.com www.1stDataRecovery.com

E. Tech Management Ltd.

153-5951 Minoru BLVD Richmond B.C V6X 4B1 Canada

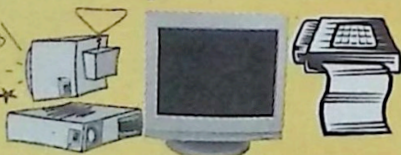
Head office: (604) 630-7912

Fax (604) 303-7979

Computer Recycling Centre

We pay **CASH** for your useless

- COMPUTERS
- MONITORS
- SCANNERS
- COPY MACHINES
- FAX MACHINES



Please Note: only large number of items accepted for recycling.

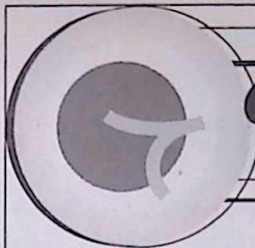
WHEN YOUR SYSTEM CRASHES,
WHAT MATTERS MOST IS
GETTING YOUR DATA BACK.

OBL
CBL Data Recovery

WE RECOVER DATA FROM TAPE, HDD, SAN, NAS, RAID & MORE.
YOU ONLY PAY FOR RESULTS!

www.cbltech.ca | 1.800.551.3917

PARTNER INQUIRIES WELCOMED | WWW.CBLTECH.CA/PARTNERS

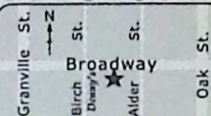


Generic Technology

Computer Sales & Services

www.genericcomputer.com

mon - sat 11:00 - 19:00 sun 12:00 - 16:00



as Windows Mobile is concerned. No signal, no error messages, nothing.

Then there's the MacBook Pro. Given that Apple is an active participant in the Bluetooth community, I thought pairing the Mac with the Bluetooth headset would be a walk in the park. OS X's Bluetooth connection panel is quite detailed, and there's even a selection choice for headset. The first time I tried it I was also working in GarageBand, and what I heard through the headset was what I can only imagine a stoned guitarist being electrocuted in slow motion would sound like. But it only lasted for a second or two, and only once. After that, when I tried to pair the headset, the rainbow wheel would simply spin, waiting for a partnership that never happened, or if it did register, it would not become active.

I checked on some Mac forums and came across some grumbling about Mac's lack of A2DP support - maybe it'll happen in Leopard. Likewise, on some Blackberry sites are similar complaints about the Pearl's lack of A2DP support. I did find a hack on a Windows Mobile site that's supposed to bring A2DP support to Windows Mobile, but since the Pharos is on loan from the company, I didn't want to risk breaking something by installing some DLLs of unknown pedigree.

So, until the Sony Ericsson K790 loaner has to go back, it and the Kyocera headset make a fine wireless team. Bluetooth specifies a range of up to 10 metres, and with the headset I was getting perhaps half that. But range isn't likely going to be a big deal since most often you're going to use the headset with a smartphone or PDA, which you'll keep close at hand.

By David Tanaka

Intel Celeron 331

PcChips P27G+ (All in one)
512MB PC4200 DDR2 RAM
80GB (7200rpm) H/D
52x32x52 CD-RW
R08 17" ATX Tower Case
Keyboard, Mouse & Speakers

\$239

P4 631 3.0GHz

Asus P5GZ-MX Motherboard
1G PC5400 DDR2 RAM
160GB (7200rpm) H/D
18x D-Layer DVD+-RW
Intel Extreme 3D Graphics
AC97 6 Channel Audio & Lan
Keyboard, Opt. Mouse & Spkrs

\$369

P4 935 Dual-Core

Asus P5L-MX Motherboard
1G PC5400 DDR2 RAM
250GB (S-ATA 7200rpm) H/D
18x D-Layer DVD+-RW
Intel 950 Extreme Graphics
AD1986A 6 Channel
17" ATX Tower Case
Logitech Keyboard & Opt. Mouse
Power Amplified Speakers
Upgrade : Core2 Duo E4300 (+\$30)

\$439

E6320 Core 2 Duo

Asus P5B I965 Motherboard
2G PC5400 667 DDR2 (D-Channel)
320GB (S-ATA 7200rpm) H/D
18x D-Layer DVD+-RW
Radeon X1050 256MB PCI-X
6 Channel Audio & Lan
17" 400W Tower Case
Logitech Cordless KB & Mouse
Logitech S-200 2.1 Speakers

\$729

AMD Sempron 3000

PcChips A33+ M/B
512MB PC4200 DDR2 RAM
80GB (7200rpm) H/D
52x32x52 CD-RW
R08 17" ATX Tower Case
Keyboard, Mouse & Speakers

\$239

Athlon64x2 3600+

Asus M2V-MX Motherboard
1G PC5400 DDR2 RAM
160GB (7200rpm) H/D
18x D-Layer DVD+-RW
VIA 3D Graphics & Audio O/B
17" ATX Tower Case
Keyboard, Mouse & Speakers
Upgrade : GF7300GS
256MB Video (+\$89)

\$359

Athlon64x2 4200+

Asus M2A-VM HDMI M/B
1G PC5400 DDR2 RAM
250GB (S-ATA 7200rpm) H/D
18x D-Layer DVD+-RW
Radeon X1250 Graphics O/B
ALC850 8 Channel Audio & Lan
17" ATX Tower Case
Logitech Keyboard & Opt. Mouse
Power Amplified Speakers
HDMI, Firewire, HDTV

\$449

Athlon64x2 5200+

Asus M2NE NF570 Motherboard
2G PC5400 DDR2 (Dual-Channel)
320GB (S-ATA 7200rpm) H/D
18x D-Layer DVD+-RW
Geforce 8500GT 256MB
8 Channel Audio & Lan
17" 400W Tower Case
Logitech Cordless Key & Opt. Mouse
Logitech S-200 2.1 Speakers

\$769

Software

Windows Vista Home Basic / Business / Ultimate (OEM) \$119 / 169 / 219 ** with System Purchased ONLY **
MS Office 2007 Basic / SBE \$199 / \$259
All systems come with 1 year parts & 2 years labour warranty

Hot Deals from Acer Notebook Specials!



AS5570-4523 Centrino 1.8GHz	512MB / 80GB / 14.1" / DVD+-RW / Vista Basic	\$679
AS5610-4693 Core Duo 1.6GHz	512MB / 120GB / 15.4" / DVD+-RW / Vista Basic	\$780
AS5100-4800 Turion 2.2GHz	512MB / 120GB / 15.4" / DVD+-RW / Xp Pro	\$799
AS9300-4272 Turion 2.2GHz	512MB / 120GB / 17" / GF6100 / DVD+-RW / Basic	\$799
AS5050-3336 Turion 2GHz	2G / 120GB / 14.1" / DVD+-RW / Vista Premium	\$839
AS5610-2312 Core Duo 1.7GHz	1G / 120GB / 15.4" / DVD+-RW / Camera / Vista Premium	\$860
AS5570-4072 Core Duo 1.8GHz	2G / 160GB / 15.4" / DVD+-RW / Camera / Vista Premium	\$999
TM5610-4643 Core Duo 1.7GHz	1G / 160GB / 17" / DVD+-RW / XP Pro	\$1150
AS5630-6760 Core Duo 1.7GHz (Geforce 7300 128MB video, Bluetooth, camera)	2G / 160GB / 15.4" / DVD-RW / Vista Premium	\$1250

\$29 - Notebook Carry Case \$29 - Wireless Notebook Mouse

Logitech

Optical PS2 Scroll Mouse	\$9
VX Revolution wireless mouse	\$69
G5 2000dpi Laser mouse	\$55
Cordless Desktop Express Combo	\$25
Cordless Desktop S510 Media Combo w/Remote	\$69
Cordless Desktop LX710 Laser Combo	\$75
Cordless Desktop MX5000 Bluetooth Combo	\$139
Premium Stereo Headset	\$25
Quickam Communicate STX II w/ Microphone	\$45
Quickam Pro 5000 1.3 Pixels	\$75
Quickam Fusion 1.3 Pixels	\$99
Logitech X-230 2.1 Speaker	\$45
Logitech X-540 5.1 Speakers	\$85
Logitech Z-2300 THX 2.1 Speakers	\$130
Logitech Z-5300e THX 5.1 Speakers	\$170
Logitech Z-5450 Dolby Digital Speakers	\$420



Monitor

17" Samsung 701N 600:1 8ms	\$179
19" Acer AL1916W 700:1 5ms	\$189
19" Samsung 940N 700:1 8ms	\$235
19" Samsung 940NW Wide 4ms Digital	\$199
19" Samsung 931BW 2ms Digital	\$239
20" Samsung 206BW 2ms Digital	\$319
22" Samsung 226BW 2ms Digital	\$399
22" BenQ FP222W 1680x1050	\$299

Projector & LCD TV

-BenQ MP510 1500ansi 800x600 Projector	\$599
BenQ MP620 2200ansi 1024x768 Projector	\$999
Epson 82c 2000ansi 1024x768 Projector	\$1550
Acer AT3320A 32" LCD HDTV	\$799
Acer AT3720A 37" LCD HDTV	\$1099
Acer AT4220A 42" LCD HDTV	\$1550
Viewsonic N4251w 42" LCD HDTV	\$1700

Mr. Battery

Battery for Notebook, PDA, Digital Camera, Camcorder, Laptop AC/DC Adapter

Authorized Reseller
DIGITAL VOICE
Canada's Broadband Phone Company

Visit our Website for More Selections and Specials !!

Price & Special are subject to change w/o notice * All prices reflect to cash discount * All product names, trademarks are properties of their respective owners

Fun with Filters

When most of us think of photo filters, we think of photos looking like they've been painted using a watercolour or oil painting effect. While most photo editing software includes filters of this ilk, there are lots of other filters that can be used to create interesting effects.

One thing to note about many filters in both Photoshop Elements and Photoshop, in particular the Sketch filters, is that the colours used in these filters are determined by the currently selected foreground and background colours. So, you can change the look of the filter by changing the colours you use to apply it. If, for example, you find a filter that looks nice but you don't like the colours, apply the filter and, when you return to the image choose Edit, Undo to undo the filter. Now change your foreground and background colours and choose Filter and then the first option in the Filter menu. This reapplies the filter, this time using the newly selected colours.

If you're working with 16-bit images such as those converted from Camera RAW, you may find the filters aren't available. To apply them, you'll need to first convert your image using Image, Mode, 8 bits per channel.

In Photoshop and Photoshop Elements, you can apply multiple filters using the Filter Gallery. Apply the first filter, click the New Effect Layer option in the bottom right of the screen and apply a second filter. If desired, adjust the

order in which the filters are applied by dragging them into a different order in the filter dialog. Hide the effect of a filter by clicking its visibility icon to turn it on or off. When you have multiple filters applied to an image you can remove one by selecting it in the filter list and clicking the Delete Effect Layer icon in the bottom right of the screen.

Some filters that apply interesting effects include the Shear filter, which bends an image. You can use it to create a curled photo effect. Before using this filter, add some extra canvas around the image using Image, Canvas Size and then choose Filter, Distort, Shear. Create a small bend in the line in the dialog to curve the image and enable the Repeat Edge Pixels checkbox.

The Texturizer filter adds a texture such as burlap or canvas to an image and is useful as an addition to a painterly effect. Use the Filter, Texture, Texturizer option and, from the Texture selection, choose the textured surface to use. You'll find other textures to load by clicking the flyout menu next to the Texture list and clicking the Load Texture option. The textures are stored in your program's presets\textures folder. These textures include the Puzzle texture which creates a jigsaw puzzle effect as well as footprints, and so on.

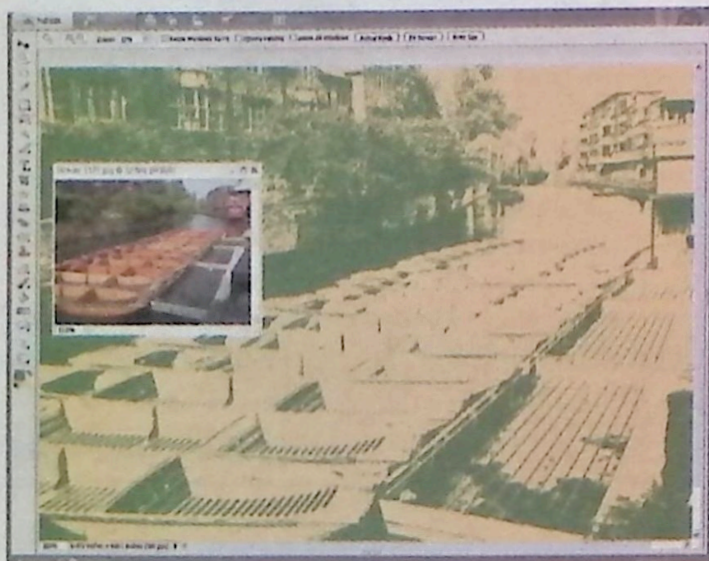
The Halftone filter creates an effect reminiscent of a photograph printed in an old newspaper. Before selecting the filter, select the colours ensuring your foreground colour is the darker colour and the background colour is lighter. Configure the filter by setting the pattern type to Dot, then select a dot size and a value for the contrast.

The Liquify filter is available in Photoshop and not in Photoshop Elements. It is useful when retouching portraits. To use it, choose Filter, Liquify. Select the Pucker tool and click on a person's nose to shrink it and use the Bloat tool to enlarge features such as the person's eyes. Used with subtlety, these tools can improve a portrait without it being obvious they've been applied.

Filters work faster and in many cases look better on a small image than on a very large one. For this reason, consider reducing the size of the image before applying the filter. Also be aware that a filter, once applied to an image, permanently changes the image so you will not be able to return to your original once you save the altered version. For this reason, only ever work on a duplicate image and never the original.

If you are working on a multi-layer image, you will find the filter adjusts only the currently selected layer. If you want to apply a filter to the entire image, select the top layer and choose Layer, New, Layer and click Ok. Click on this layer, press Ctrl + Shift + Alt + E (Command + Option + Shift + E for Mac users) to create a merged version of the image on this layer without changing the layers underneath. You can now apply a filter.

By Helen Bradley



The Torn Edges filter uses the currently selected Foreground and Background colours to achieve this effect.

Mediasonic
media™

For more mediasonic products
please visit www.mediasonic.ca
or e-mail us at sales@mediasonic.ca

Contact Your Local
Wholesaler & Dealer
for more information

Mediasonic Online
<http://mediasonicinc.com>

OPEN 24 / 7

- 2.5" HDD MPEG USB Enclosure
- Support MPEG1,2,4 & Divx
- Play movie, music, photo
- Package comes with remote, all cables & protection bag
- 1 Year Warranty

NEW ITEM



Model No: HM2-U2TV

- **Adaptec GameBridge**
- Play console game on notebook/PC
- Recode your best move & scores
- Turn notebook to TV
- Come with remote

Hot Item

Model No: AVC-1400 & AVC-1410

Mediagate 3.5" MPEG Players

- 3.5" HDD Enclosure
- TV output & network access
- Support MPEG1,2,4
- Play movie, music, photo
- USB/network enclosure
- Package comes with remote



Model No: MG-25

All MG-35 Feature Plus

- Wireless Lan
- USB Host
- HD DVI output
- Full HD play back up to 1920 x 1080p

Model No: MG-35

Model No: MG-350HD

2.5" also available

Smart-drive

- New 2.5" SATA case available
- For P/SATA 3.5/2.5HDD
- IDE to USB/USB & 1394a
- SATAII to USB+eSATA

3 Years Warranty

Model No: HD3 & HD6-Series

LAN-DRIVE™

- 3.5" LAN+USB enclosure
- access file from multiple pc
- file and ftp server all-in-one
- firmware upgrade available

Model No: HD9-U2LA

MEDIASONIC SUPER DEAL

2.5" 80GB Seagate
SATA Hard Drive +
2.5 eSATA+USB2.0
Enclosure
(Made in Taiwan)
1 Year Warranty

MSRP only
\$79.99

Broken down computer? Got viruses and spyware?
Need to install a computer part? No worries!

Our Technical Support Department specializes in anything from computer repairs and installations, to system cleaning for viruses and spyware. Feel free to bring in any computer for analysis.

Designed for gaming AnytimeAnywhere

ASUS FREE ASUS GAMING OPTICAL
MOUSE & BACKPACK!

Asus G1 Gaming Notebook
(G1-AK024C)

Processor Intel® Core 2 Duo T7200
Memory 2GB DDR2
Hard Drive 160GB SATA (5400rpm)
Optical Drive DVD Super Multi Drive
Networking 802.11a/b/g, LAN, 56k, Bluetooth
Graphics NVIDIA GeForce Go 7700
Weight 6.84lbs
OS Windows Vista Home Premium
Included Built-in Webcam, Gaming Mouse
& Gaming Backpack

\$1899

15.4"

intel
Core 2
Duo

A-Power Computer Recommends  Windows Vista Business

 **\$359**

Dual Core 1GB 80GB

E-300 Home Business Workstation

- Intel® Pentium™ D925 Dual Core Processor
- Kingston 1GB DDR2 667MHz Memory
- Foxconn P4M9007MB-8RS2H S775 Motherboard
- WD 80GB 7200RPM SATA II Hard Drive
- Samsung 18x Dual Layer DVD Writer
- Logitech Deluxe 250 Desktop Keyboard & Mouse
- Logitech S-100 Speakers
- 3D Video and 3D Dolby Digital Audio

 **\$689**

Core2 Duo 2GB 250GB

B-300 Next Generation Workstation


- Intel® Core 2™ Duo E6420 Processor
- Kingston 2GB DDR2 667MHz Memory
- Intel D946GZISSL S775 i946GZ Motherboard
- WD 250GB 7200RPM SATA II 16MB Hard Drive
- Samsung 18x Dual Layer DVD Writer
- Logitech Speakers & Microsoft Keyboard, Mouse
- 3D Video and 3D Dolby Digital Audio
- Executive Class Installation & SysEval Process
- AP Express Replacement Warranty (1 Year)

 **\$1129**

Core2 Duo 2GB 320GB


G-200 Performance Gaming System

- Intel® Core 2™ Duo E6420 Processor
- OCZ Gold XTC 2x1GB DDR2 800MHz Memory
- Asus P5N-E SLI NF4 650i SLI RAID Motherboard
- Seagate 320GB 7200RPM SATAII 16MB HDD
- Samsung 18x Dual Layer DVD Writer
- EVGA E-GeForce 8600GTS 256MB DDR3 PCI-E
- Logitech G5 Laser USB Gaming Mouse
- Microsoft Keyboard, Genius 2.1 Speakers
- Antec Sonata III Case w/ Earthwatt 500w PSU
- FREE GAME Half-life2 Ep One OR Dark Messiah

 **TOSHIBA** **\$699**

Toshiba Satellite Pro A100 (PSAAPC-CR107C)

Processor Intel® Celeron™ M430
Memory 1GB DDR2 (512MB x 2)
Hard Drive 80GB SATA (5400rpm)
Optical Drive DVD±RW (+R DL) / DVD-RAM
Graphics Intel® GMA 950
Weight 6 lbs
OS Windows Vista Business

 **HP** **\$939**

HP Compaq 6715b (RM172UT)

Processor AMD® Turion™ 64 X2 TL-50
Memory 512MB DDR2
Hard Drive 80GB SATA (5400rpm)
Optical Drive CD-RW / DVD-ROM combo
Graphics ATI Radeon Xpress 1250
Weight 5.7lbs
OS Windows Vista Business

 **lenovo** **\$1349**

Lenovo Thinkpad T60 (63716MU)

Processor Intel® Core 2™ Duo T5500
Memory 1GB DDR2
Hard Drive 80GB SATA (5400rpm)
Optical Drive CD-RW / DVD-ROM combo
Graphics Intel GMA 950
Weight 5.3lbs
OS Windows XP Professional



VISIT US AT WWW.A-POWER.COM. WE ARE OPEN ONLINE 24/7.

RICHMOND TEL: 604 273.8868 | FAX: 604 273.8280 **BURNABY** TEL: 604 570.6766
#101-11211 BRIDGEPORT RD, V6X 1T3 4448 EAST HASTINGS ST, V5C 2K2
Open Mon - Fri 10am till 6 30pm, Sat 10am-6pm, closed Sundays & holidays

Camcorder stills: An exercise in photographic futility?

It's happened to all of us. You're out and about shooting video and an unexpected opportunity for a great still suddenly presents itself. Your camera is stashed away in your bag, but you remember that your camcorder has a photo mode. You flick a switch and snap off a half dozen frames, happy that the shot opp didn't slip away. But later that night, as you review the day's haul, you come across the stills and find that they're noisy, poorly lit and badly coloured. You shake your head, switch off the monitor, and wonder where it's written that all stills taken with video cameras have to suck.

You could blame a variety of things. For starters, camcorders typically don't provide controls for settings like shutter speed and aperture. Then there's the hard fact that their processors are generally geared for rendering video, not touching up stills. But while these and other issues bear significant weight, the biggest problem is that camcorder image sensors just don't capture as much visual information as the sensors inside most digital cameras.

Quick word on image sensors: They're made up of thousands or millions of tiny photodiodes that capture light. Assuming a shot is captured at the image sensor's maximum resolution and undergoes no compression, each pixel in the final image represents the light captured by a single photodiode.

The problem with consumer camcorders is that their image sensors typically have far fewer photodiodes than those of digital cameras. Lower end models can have less than half a million, while expensive high-def models max out around three million. But wait, you say, my camcorder can take pictures at resolutions of five or even six megapixels. The math doesn't add up.

According to Panasonic Canada's Dan Kesselring, the incongruity occurs because camcorders often turn one pixel into multiple pixels. "Pixels on a still camera image sensor are basically small and square," explains Kesselring, "while pixels on a camcorder image sensor are more rectangular and typically much larger. By dividing or shifting individual pixels on a camcorder image sensor we can create more pixels. It's pretty standard within the industry."

The upshot is that while your five or six megapixel camcorder photograph might have a few million more dots than the image sensor that captured it, there's not really any additional image data in the picture.

The moral? "Always take a still camera with you," says Kesselring. "A camcorder's camera function can come in handy sometimes, but it just hasn't reached a point yet where it can replace a digital camera."

Not that we don't trust Mr. Kesselring, but we decided to see for ourselves.

We test drove three camcorders that received critical praise for their video quality with an eye to evaluate their photography functionality. Given what we've learned about how video cameras capture stills, the results of two of the models were predictable, but we were modestly surprised by the third.

Canon DC22 (\$549) www.canon.ca

This entry level DVD camcorder from Canon has relatively straightforward still photography functionality. You can't capture pictures while recording video, and image setting options are rudimentary. Just flip from video to camera mode and press the photo button to take two megapixel stills. No fuss, no muss. How do the shots look? Let's just say you probably wouldn't want to spend the two bits it would cost to print them. The only legitimate situation to use the DC22's still image mode is if you happen to catch a glimpse of a Sasquatch and haven't time to pull out your camera - the resulting grainy, off-colour picture will fit right in with all the other photos ever taken of the mythical beast.

Panasonic SDR-H200 (\$1,099) www.panasonic.ca

Panasonic's premier hard disk camcorder employs a 3CCD system, which basically means it uses three separate sensors to record each of the three primary colours. The difference in video quality can be significant, but it doesn't really have an impact on stills. Each sensor is made up of about 700,000 pixels, for a combined resolution of 2.1 megapixels, but Panasonic splits these pixels to deliver photos up to 3.1 megapixels. Image quality surpassed the DC22, but not by much; some shots had more authentic colouration and a bit less noise, but they still wouldn't pass for pictures captured by a dedicated digital camera.

Sony HDR-HC7 (\$1,499) www.sonystyle.ca

Hands down one of the best consumer camcorders on the market, Sony's high-definition, Mini DV HDR-HC7 has a video image sensor with a whopping 3.2 million pixels from which it can generate stills up to 6.1 megapixels in size. However, while test shots showed a clear advantage in image clarity and resolution, the lighting was still on the dark side—even in bright outdoor settings. Still, the HDR-HC7's photos were easily the best of the bunch, and might even be capable of going head-to-head against shots captured with an entry-level digital camera.

By Chad Sapieha


RunGPS.com introducing GPS Navigation Products



HOLUX M-1000 32-Channels Bluetooth GPS Receiver

- Car / Marine Navigation
- Compatible to PDA/Laptop/Cell phone w/ Bluetooth connection

[Mini Size: 65 x 43 x 17.6 mm] **\$79.90**



WBT-100 Bluetooth + USB GPS Receiver w/ Tracking & Compass Function

Winice \$104.90

Super mini size + Bluetooth GPS Receiver + Mini size



BT-Q818 32 Channels & 32 Hrs Bluetooth GPS Receiver

\$84.90



CF GPS Receiver

CF-271U \$82.90



PS/2 or USB GPS Receiver

GR-213 \$62.90

Intelligent GPS Navigation Software - iGuidance V.3 for N. America/ Europe
(Includes both Laptop & Pocket PC Version)

- Dynamic Reroute
- Turn-by-Turn Directions
- Voice & Visual Guidance
- Geo-Features 2D/3D Views
- Detour and Stopover Options

N. America: \$114.90
Europe: \$159

Car Holder starting from \$22.90 for PDA, Cell Phone, PSP, MP3, GPS Navigation

GPS Accessories:
Holux AR-10 GPS Signal Radiator **\$49.90**
External Antenna MCX **\$24.90/MMCX \$23.90**
PDA to GPS Cable & Car Charger **\$19.50**

LCD Screen Protector Film

- Protects LCD Surface from Water, Dirt, Dust, Scratch & Grease
- From 7.2" to 20" (Widescreen size available)

Start from \$11.90

Universal Protector Film

- Waterproof, Dustproof, Germproof
- Designed for Notebook Key board, Computer Keyboard, Remote Controller, Cordless Phone, Electronics, Hospital, Demo Sample Wrap, etc...

Only \$13.50

Destinator 6.0 \$128.90
(N. America) is available now!
TomTom Navigator 6.0
[Pocket PC & Palm version]
is coming SOON!

PeriPower PROTECTOR FILM for Notebook and Electronic Devices Body

- Baby your device with Scratch-Resistance. Protect your investment with Elegance.
- Easy DIY & Removal. No Residue of Glue.
- Transparent / Stylus Pattern

Start from \$8.90

Canada@RunGPS.com
www.RunGPS.com
Toronto • Vancouver 604-279-9938
#12-11220 Voyageur way, Richmond, BC

RESELLER WELCOME!

Digital SLR Accessories



Protective armour

Camera Armor is a rubberized housing unit that keeps your digital SLR safe from nasty scratches and bruises. Custom fit to your specific make and model, it even covers the buttons while allowing them to remain fully functional. Also included is a clear, polycarbonate cover for your LCD screen, which diminishes the accuracy of your view, but is a fair compromise for the additional protection. At first, pulling a snugly fit (and surprisingly firm) rubber casing over your precious camera might cause you to worry about damaging your device. But if you are patient, you will see it slowly begin to fit like a glove. Testing it out on the Digital Rebel XTi, I found that the only button I couldn't access properly was the diopter adjustment knob (for adjusting the viewfinder to your eyesight) and the lens cover was a little too tight for my liking. It's difficult to get your straps mounted around all rubber, but this is nothing that a half hour with tweezers can't fix. If you find yourself worrying a lot about accidental damage to your digital SLR, Camera Armor will provide peace of mind and is well worth the investment (pricing ranges around \$60). For a complete list of makes and models supported (mostly Canon and Nikon), visit Made Product's website at www.cameraarmor.com.

An essential tripod

When you think of the GorillaPod, you imagine cameras hanging upside down off telephone poles. This isn't the reason you should get one. What makes the GorillaPod an essential digital SLR accessory is the fact that it is lightweight, compact and very easy to operate. It's also amazingly strong for its size. Slide it onto the base your camera and lock into place. A quick press on the latch and the GorillaPod unlocks and slips off. The three legs are assembled out of individual nodes that provide ultimate flexibility. Rather than jerky, step-based movements, the legs bend and curl as if they are made out of playdough while at the same time holding nearly any position you place them into (the rubberized ball-shaped feet grip surfaces very well). The GorillaPod allows you to keep your eye in the viewfinder while easily manipulating the height and angles of your shots. Available from Joby, the GorillaPod SLR (with a max. weight load of 1.75 lbs.) is priced at US\$44.95. The original model (max. weight 9.7 oz) and a GorillaPod SLR-zoom (up to 6.6 lbs.) are also available. For more information, visit www.joby.com.

By Jennifer Kavur



Visit **www.ilync.com**
for more savings

ILYNC.COM
COMPUTER

Burnaby (604)293-7779
3978 East Hastings St. V5C 6C1
Richmond (604)214-7703
#106-11400 Bridgeport Rd. V6X 1T2

Canon MP160 Photo All-In-1 Printer
\$29.75*

Transcend MicroSD 2G
\$32.75

TRENDnet Wireless Router
54Mbps, 802.11g \$25.75*

DVI to HDMI Cable 2M
\$18.45

UPGRADE SPECIAL
AMD Sempron 3000+ AM2
ECS 6100SM-M All-In-1 MB
\$96.75

RJTech RJ-800DVX DVD Player
MPEG4+DivX
\$49.75

Edifier M1500 5.1 Speakers
\$41.95

Kingston PC5300 667Mhz DDR2 1GB
\$39.75

Intel Core 2 Duo E4300 1.8G
Asus P5L-MX MB
Kingston 2GB PC2-5300 DDR2 RAM
Seagate 320GB SATAII 16MB Hard Drive
LG 18x Dual Layer DVD Writer
Logitech KB and Optical Mouse
2.1 Subwoofer Speakers
OP533 Case w/ 450w Power Supply
\$499

ACER AS5610-4693
Intel T2050
512MB DDR2 RAM
5400rpm Hard Drive
15.4" WXGA (1280x800)
DVD-RW Dual Layer
Vista Home
758

Price & Availability is subject to change w/o notice. Advertised prices are cash discounted already. Images are not exactly as shown. *After Mail-In-Rebate

Halo 2

Publisher: Microsoft Game Studios **Developer:** Bungie

ESRB: Mature **Rating:** 3/5

Platform: Windows PC (Running on a Windows Vista box with a 3.0 GHz Intel Dual Core processor, 2GB of RAM, and a 512MB ATI Radeon X1900 XT graphics card; displayed at 1920x1200 on a Dell 2407FPW 24-inch LCD)

With less than six months to go before the release of Halo 3 for the Xbox 360, PC gamers are just now seeing its predecessor, Halo 2, come to their preferred platform. This timing makes the proposition a bit wonky. PC gamers are, to a large degree, obsessed with bleeding edge technology and graphics, so why should they bother to pick up a three-year-old game that was developed for six-year-old hardware?

One reason is that Halo 2 is one of those rare PC games that's pretty much guaranteed to run exceptionally well even on relatively weak gaming systems. Developer Bungie has given the visuals a moderate upgrade—alien models in particular have an enormous amount of new detail—but even with the improved graphics set on high, I still experienced a blistering frame rate during the game's most harried firefights. And with a minimum Windows Experience Index of 3.0, Halo 2 ought to run just as well on machines much less powerful than my mid-tier test system.

If you don't know what a Windows Experience Index is, that means you aren't running Windows Vista, which, as Microsoft would have it, also means you won't be able to play Halo 2. Now some gamers will immediately cry foul and claim that the software giant is just trying to force consumers to run out

and buy the new OS. Fair enough. There's probably some truth there. But there's also a legitimate reason behind Halo 2's Vista-only support, and that's Games for Windows Live, a Vista-only online service modeled after the Xbox 360's Xbox Live network. It allows players to create a gamertag that can be carried from game to game, earn achievement points in participating Games for Windows titles, create a network of gaming friends, and avoid encountering players they don't like. It's been a raging success for Microsoft's console, and, as far as this reviewer is concerned, it's a welcome and long overdue addition to the PC gaming experience.

So Halo 2 has been polished up, runs well, and will let you get your feet wet in Games for Windows Live. Add in the fact that the Xbox edition is probably the most popular console shooter of all time, and you'd think Halo 2 for Windows would be a sure-fire grand slam. But it isn't. And here's the reason: it just feels old.

Shooters have evolved substantially over the last few years. Environments are now nearly photo-realistic and are often modeled after real-world locations to enhance authenticity. Sophisticated tactical play, both solo and squad-based, is now the norm rather than the exception. And in rare cases where legitimate strategy is absent, there's usually some sort of memorable shtick—like Prey's weird reverse gravity and teleportation system.

Halo 2 has none of these elements. In fact, even at the time of its Xbox release, Halo 2's legitimate innovations—such as being able to wield two weapons at once and hijack enemy vehicles—were relatively minor. It was, more or less, just a natural evolution of 2001's Halo: Combat Evolved. I guess what I'm saying is this: compared to more recent games, Halo 2 feels a lot like an old-fashioned twitchy shooter.

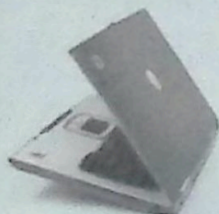
Tragically, the game's most pioneering feature, a brilliant online match-making system that all but guarantees players of roughly equal skill levels face off against one another, has been effectively nullified in the PC version, which provides the option to access a traditional select-a-server screen that PC gamers will almost certainly favour without giving matchmaking a fair shot. Also reduced in the PC version is the console edition's unusual and attractive ability join a party that can be moved from game to game by the party leader.

However, even after taking all of its problems into consideration, it would be a mistake to write off Halo 2. It was a terrific console shooter when it was released, and it still provides good, twitchy fun—particularly when played online. Just don't be surprised if you find yourself wondering what all the fuss was about.

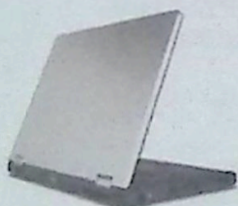
By Chad Sapieha



www.MilestonePC.com Best deals + GST Only



Asus



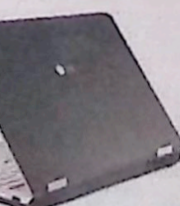
LG



Acer



Lenovo



Fujitsu



NEED A CUSTOMIZED PC? NO PROBLEM!

CHECK OUT OUR SYSTEM BUILDER AT WWW.ANITEC.CA/PC_BUILDER

Vanta 200

FREE ANTI-VIRUS
PANDA TITANIUM NOW FREE
WITH ANY PRE-BUILT SYSTEM



Great For Business and Home use!

- AMD Athlon64 X2 3600+ Dual-Core Processor
- 1GB Dual-Channel DDR2 Memory
- 250GB - SATA Hard Drive
- High Speed 18x Double-Layer DVD-Writer
- ATI Radeon X1250 256MB Shared Graphics
- 5.1 Channel Audio Controller
- 10/100/1000Mbps Gigabit Network Adapter
- Microsoft Multimedia Keyboard & Optical Mouse
- Edifier 2-Channel Multimedia Speakers



starting at
\$399

Stealth 100

Designed using some of the quietest components in the market allows the Stealth series to be at least 50% quieter than any average PC available in the market today.



starting at
\$799

- Intel Core 2 Duo E4300 Processor
- 1GB Dual-Channel DDR2 Memory
- Samsung 320GB - SATA Hard Drive *Low Noise Model*
- Asus 18x DVD±Writer with LightScribe *Low Noise Model*
- Intel GMA X3000 64MB Shared Graphics
- 7.1 Channel High-Definition Audio
- 10/100/1000Mbps Gigabit Network Adapter
- Antec NSK3300 Ultra Quiet Mini Tower
- Arctic Cooling Alpine 7 Quiet CPU Cooler
- Microsoft Windows XP Home Edition



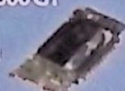
PRE-CONFIGURED SYSTEMS ARE NOW AVAILABLE IMMEDIATELY FOR IN-STORE PICKUP. CALL TO CHECK AVAILABILITY.

EVGA E-GEFORCE 8600 GT

- DirectX 10 Support
- HDTV, HDCP Enabled

\$199.95

SKU #8742



SAMSUNG CLP-300 COLOR LASER

- Very Quiet! NO NOISE™
- 2400dpi x 600dpi

\$249.95

SKU #8223



INTEL CORE 2 DUO E4300

- 1.8 Ghz / 800mhz FSB
- 2MB L2 Smart Cache

\$139.95

SKU #8024



RJTECH RJ-1000HD DVD PLAYER

- HDMI Cable Included
- Karaoke Support

\$99.95

SKU #8943



APEX TX-366 MINI TOWER

- MicroATX Case
- 90mm Cooling Fan

\$39.95

SKU #8584



EVOLVENT VERTICAL MOUSE 3

- Relieves Wrist Pain
- 2600 DPI

\$69.95

SKU #8806



VIEWSONIC N3751W 37" LCD TV

- \$350 Instant Rebate
- Extended Warranty

\$949.95

SKU #7353



AMD ATHLON64 X2 6000+

- 3.0 Ghz / Socket AM2
- 2x TMB L2 Cache

\$275.95

SKU #8665



VISIT US ONLINE 24/7 AT WWW.ANITEC.CA - GREAT PRICES - GREAT SELECTION - BUY ONLINE & PICKUP IN-STORE

SAPPHIRE HD 2900XT 512MB

- DirectX 10 Support
- HDMI / 5.1 Sound
- 512-bit Memory

\$489.95



VIEWSONIC VA903B 19" LCD

- 1280 x 1024 Max Res.
- 700:1 Contrast Ratio
- 8ms Response Time

\$239.95

SKU #8051



BENQ FP94VW 19" TFT-LCD

- 1440 x 900 Max Res.
- 800:1 Contrast Ratio
- 2ms Response Time
- WIDESCREEN LCD

\$239.95

SKU #8859



ASUS R2H ULV TABLET NOTEBOOK

- 900MHz / 60GB HD / 768MB DDR2
- 7" LCD Touch Screen / Camera
- Finger Print Reader / Bluetooth / GPS
- Intel® GMA 900 Graphics
- Windows XP Tablet PC Edition

\$999.95

SKU #7689



HITACHI 1TB HARD DRIVE

- Holds up to 1000GB
- SATA 3GB/s
- 7,200 RPM

\$459.95



BENQ FP241WZ 24" TFT-LCD

- 1920 x 1200 Max Res.
- 1000:1 Contrast Ratio
- 6ms Response Time
- FULL HD 1080P

\$769.95

SKU #8830



BENQ FP222WH 22" TFT-LCD

- 1680 x 1050 Max Res.
- 700:1 Contrast Ratio
- 5ms Response Time

\$309.95

SKU #8219



ASUS W7J-3P 115C CENTRINO DUO T5500

- 1.66Ghz / 120GB HD / 1GB DDR2
- 13.3" WXGA / DVD RW / Card Reader
- Webcam / Bluetooth
- GeForce 7400 TC 128MB
- Windows Vista Home Premium

\$1589.95

SKU #8236



ASUS P5K MOTHERBOARD

- Intel® P35 chipset
- 1333/1066/800FSB
- Socket LGA775

\$169.95



PHILIPS 200W87EB 20" LCD

- 1680 x 1050 Max Res.
- 600:1 Contrast Ratio
- 8ms Response Time

\$279.95

SKU #8867



SAMSUNG 931BW 19" LCD

- 1440 x 900 Max Res.
- 2000:1 Contrast Ratio
- 2ms Response Time
- WIDESCREEN LCD

\$249.95

SKU #8139

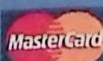


ACER ASPIRE 5610-4621 NOTEBOOK

- 1.6 Ghz / 160GB HD / 1GB DDR2
- 15.4" WXGA / DVD RW / Card Reader
- Webcam / Built-in Microphone
- Intel Graphics Media Accelerator 950
- Windows Vista Home Premium

\$929.95

SKU #8652



Store Hours:

Monday to Saturday:

10:00 am to 6:00 pm

Closed Sunday's and Holidays

2185 Kingsway

Vancouver, BC, V5N 2T4

Tel: 1.888.ANITEC.9

E-mail: sales@anitec.ca



Pictures, prices, specifications, configurations and availability subject to change without prior notice. Please refer to our web site for current pricing. Offer valid from June 1st to June 30th. While quantities last. All logos, trademarks and copyrights are property of their respective owners.

HOST with Confidence!

Web Hosting

from **\$6.95** /mo



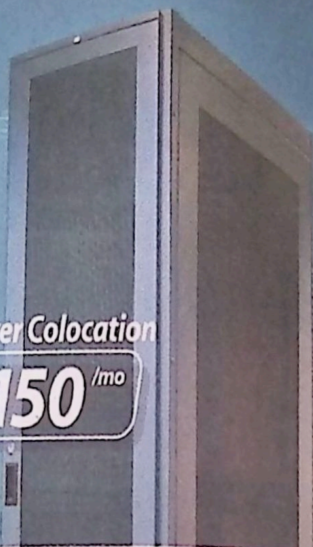
Dedicated Server

from **\$149** /mo



Server Colocation

from **\$150** /mo



Web Hosting by dollarhost.com


- Linux and Windows Hosting
- Upto **2,000 MB** Web Storage
- Upto **50,000 MB** Data Transfer
- POP / IMAP Email Accounts
- Web-based Email Access
- Email Aliases / Forwarding
- **Email Virus Scanning** by Symantec Carrier Scan Server™
- Multiple FTP accounts
- **MS FrontPage Support**
- **PHP / CGI / ASP / ColdFusion**
- **Database Support**
- E-commerce Ready
- SSL Secure Server
- Website Statistics
- Web-based Control Panel
- **Toll Free Phone and Email Support**
- **FROM ONLY \$6.95/mo.**

Domain Registration From US\$15/yr


- .com, .net, .org, .ca, .biz, .info
- free domain parking
- free "under construction" page.

Dedicated Server

Linux Server only \$149/mo

- Intel Dual Core 2.8GHz
- **512MB RAM**
- 120GB Hard Drive
- **500 GB* Monthly Data Transfers**
- Fedora Linux Server
- **Ensimg Pro** for Linux 
- Web-Based Control Panel
- **Host Unlimited Domains**
- Setup Fee: \$149
- Monthly Fee: \$149
- * On 6 months contract

Windows Server \$249/mo

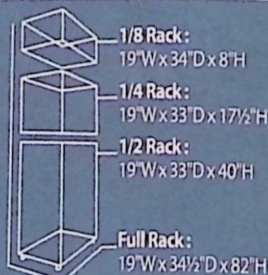
- Intel Dual Core 2.8GHz
- **512MB RAM**
- 120GB Hard Drive
- **500 GB* Monthly Data Transfers**
- Windows Server 2003 Web Edition
- **Ensimg Pro** for Windows 
- Web-Based Control Panel
- **Host Up To 250 Domains**
- Setup Fee: \$249
- Monthly Fee: \$249
- * On 6 months contract

Server Colocation

- Fully Redundant BGP4 Network
- 100Mbps Fast Ethernet Switched Port
- UPS Power
- Diesel Generator
- 24/7 Facility Access
- Online Traffic Reports

Now More Data Transfers!

1/8 Rack	20GB Transfer	\$150/mo
1/8 Rack	200GB Transfer	\$200/mo
1/4 Rack	500GB Transfer	\$450/mo
1/2 Rack	500GB Transfer	\$600/mo
Full Rack	500GB Transfer	\$995/mo
Mbps	Fixed bandwidth	Please Call



New 10Mbps Internet Access \$1195/mo

- 10 Megabits Per Second full duplex dedicated internet connection at your office
- ~~\$1895/mo~~ \$1195/mo introductory special. *
- Static IPs and Unlimited traffic included

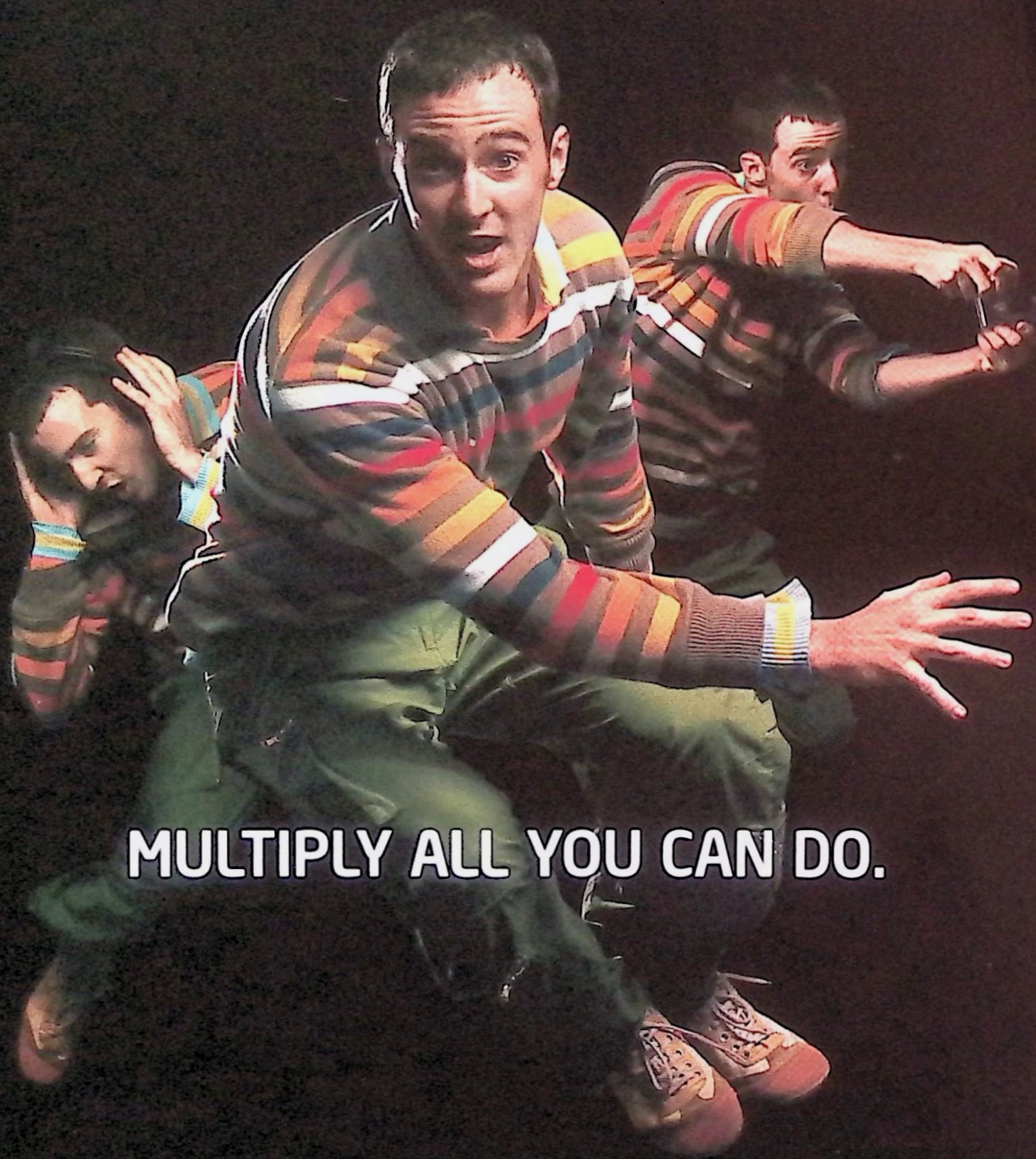
In2net provides you with fast, reliable web servers, shared or dedicated, professionally configured to perform strong and priced affordably. Our company has helped thousands of Canadian businesses and individuals establish their web presence since 1996.

In2net Performance Dedicated Servers come out-of-box ready to host websites. All hardware, software and bandwidth is included along with powerful graphical user interfaces for non-technical administrators to operate the server. For Hosting Providers, webmasters & individuals who need full control and customization - without the hardware investment costs. Order today and begin hosting tomorrow.

Web Hosting Solutions from DollarHost offers support for many popular applications at affordable prices.

Call in2net Today for More Info. 604-608-6868. www.in2net.com

in2net
network inc.




MULTIPLY ALL YOU CAN DO.

DO MORE THINGS AT THE SAME TIME WITH THE INTEL® CORE™2 DUO PROCESSOR.
Multiply your possibilities - and do more, faster - with powerful Intel® Core™2 Duo processor's wide dynamic execution and advanced smart cache technology. Learn more at intel.ca/multiply
GREAT COMPUTING STARTS WITH INTEL INSIDE.



©2007 Intel Corporation. Intel, the Intel logo, Intel Core, and the Intel Core logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. All rights reserved.



Z84JP

The Best Multimedia Whitebook Platform - Inside and Out

Dedicated graphics engines (DGE) for games and videos

HDMI support for compelling HD experiences

Subwoofer delivers stunning acoustics

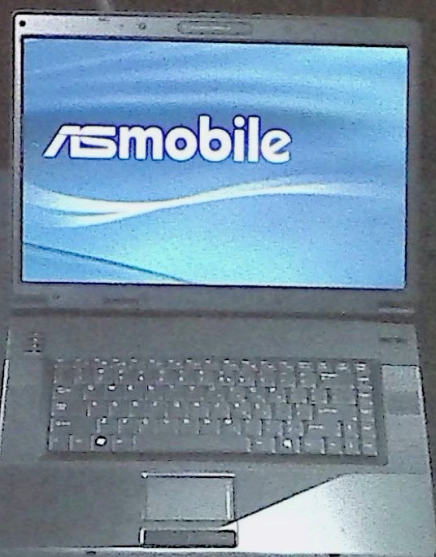
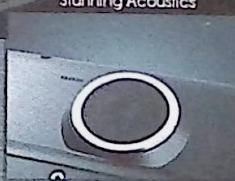
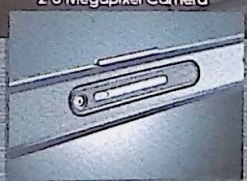
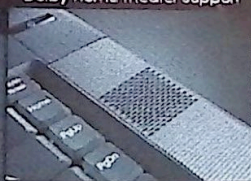
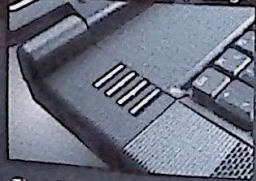
High gloss piano black finish

User-friendly Instant Key Design

Dolby Home Theater Support

2.0 Megapixel Camera

Stunning Acoustics



The Z84JP is the latest whitebook product in the ASmobile family providing whitebook resellers with the best multimedia entertainment solution for mobile professionals. As with all its products, ASmobile provides the necessary parts and support for a successful whitebook business.

More information about ASmobile Whitebooks at: ca.asus.com/hub2

NCIX

1-888-NCIX-888
www.ncix.com

PC Cyber

1-613-224-9995
www.pcyber.com

Infonec

1-888-418-9338
www.infohec.com

Anitec

1-888-264-8329
www.anitec.ca

PC Village

1-905-889-5488
www.pcvonline.com

Milestone Computer
1-905-307-7738
www.MilestonePC.com

Canada Computers

1-416-733-4481
www.canadacomputers.com

Pacific Notebooks

1-905-305-6833
www.pacificnotebooks.com

MicroBytes

1-877-MICROBYTES
www.microbytes.com

ASmobile

- Supports Intel® Centrino Duo Mobile Technology
- Intel Core™2 Duo Processor
- Intel® 945GM+ICH7M Chipset
- 17" WSXGA+ Widescreen (1680x1050)
- NVIDIA® GeForce® Go 7600 512 MB
- Up to 4 GB DDR2 RAM
- DVD-RW Super-multi
- eSATA port, HDMI Port

© 2007 ASUS Computer International. All Rights Reserved. ASUS is a registered trademark of ASUS Computer International. NVIDIA and GeForce are registered trademarks of NVIDIA Corporation. Intel, Centrino and Intel Core are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Microsoft and Windows are registered trademarks of Microsoft Corporation.

Launch a website ...today!

Get everything you need to create
the perfect website for your business.

It's fast, easy and, yes,
you can do it yourself.

This is David

He owns:

www.TheBigLens.ca
www.MyHDR.info
www.PhotoForHire.biz

This is Karen

She owns:

www.CDNmarketing.ca
www.KarensShoeStore.biz
www.ExerciseMonster.com

ACT NOW AND SAVE 30% Get Netfirms ADVANTAGE Website Bundle, including
Performance Hosting, 2 FREE Domains, Design Software and 24/7 Support for **only \$8.95/mo.**

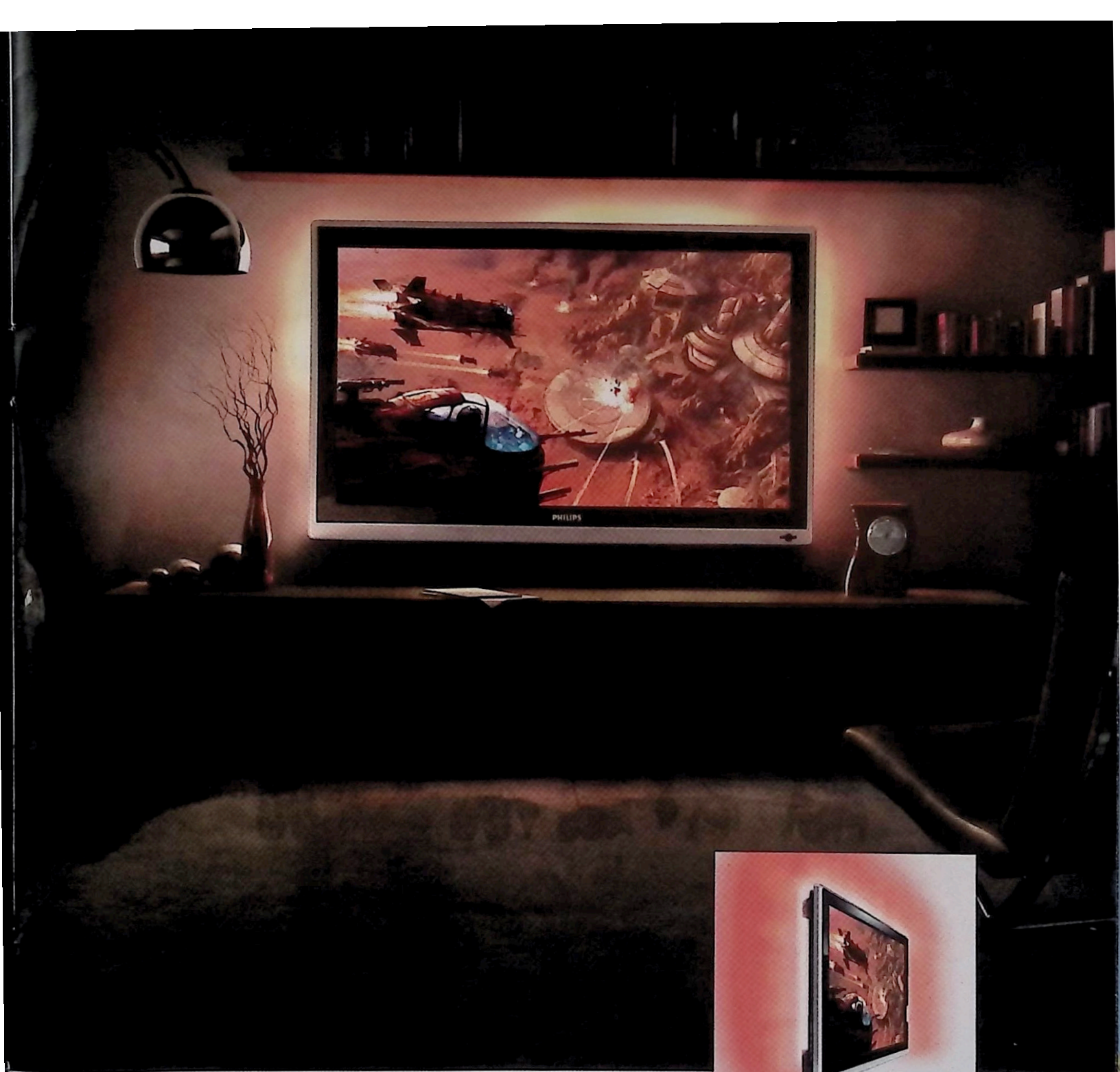
www.netfirms.ca/hub

Or call 1-866-761-6399

Netfirms is a trademark of Netfirms Inc. Netfirms is an ICANN accredited registrar
and CIRA certified registrar. ©2007 Netfirms, Inc. All Rights Reserved.
For more information visit www.netfirms.ca



netfirms®



Simplicity is an Ambilight button which transforms television into an incredible evening.

Once again, Philips brings you a unique innovation in TV technology. Adapting to the mood of every programme you watch, Ambilight projects a soft, light glow onto the walls around the screen. Not only does the contrast in colors attain an unprecedented level of perfection, but you also immediately get the sensation of a wider image. Never before has entertainment been so incredibly intense. So get ready for the show of your life.

www.philips.com/simplicity

PHILIPS
sense and simplicity